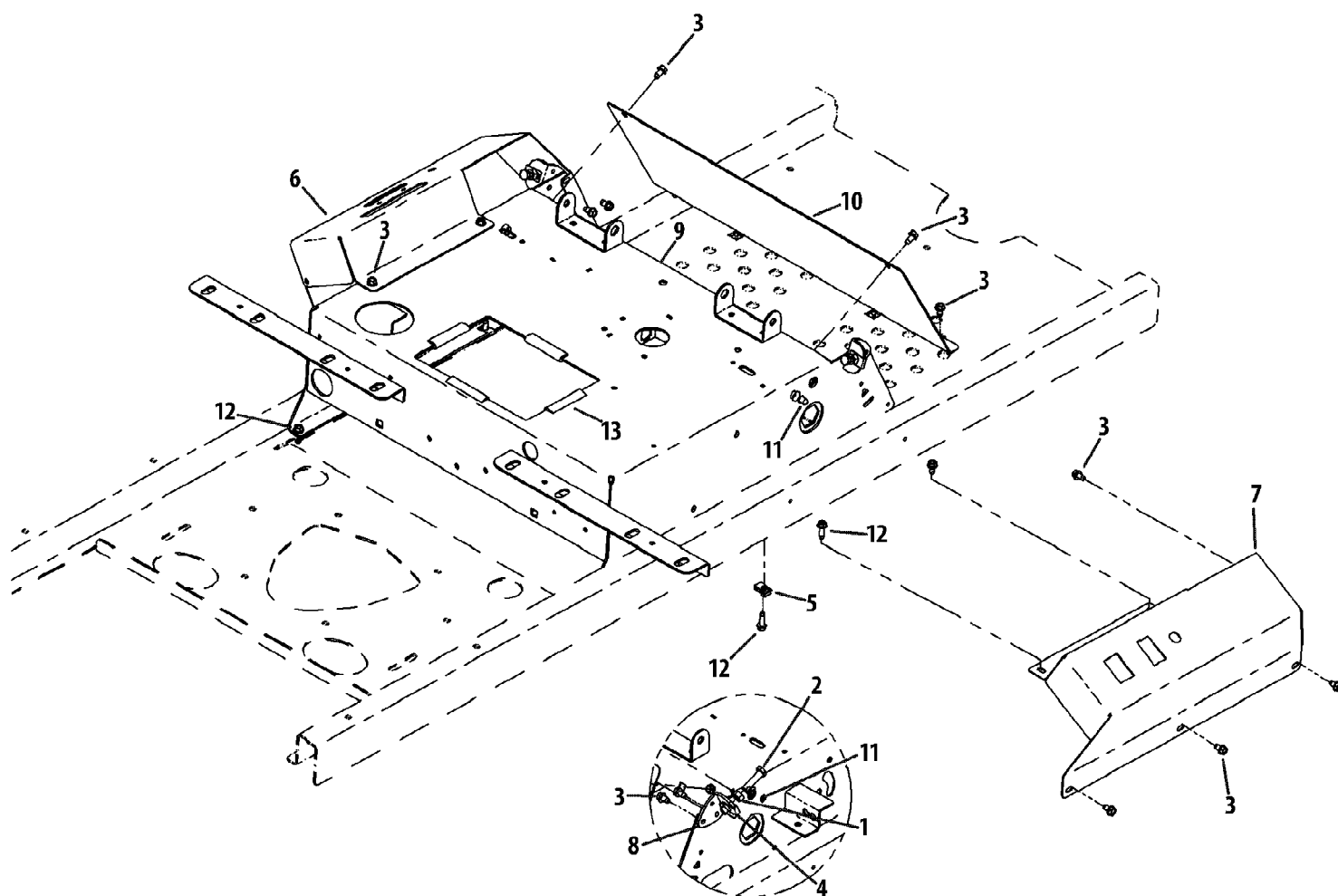




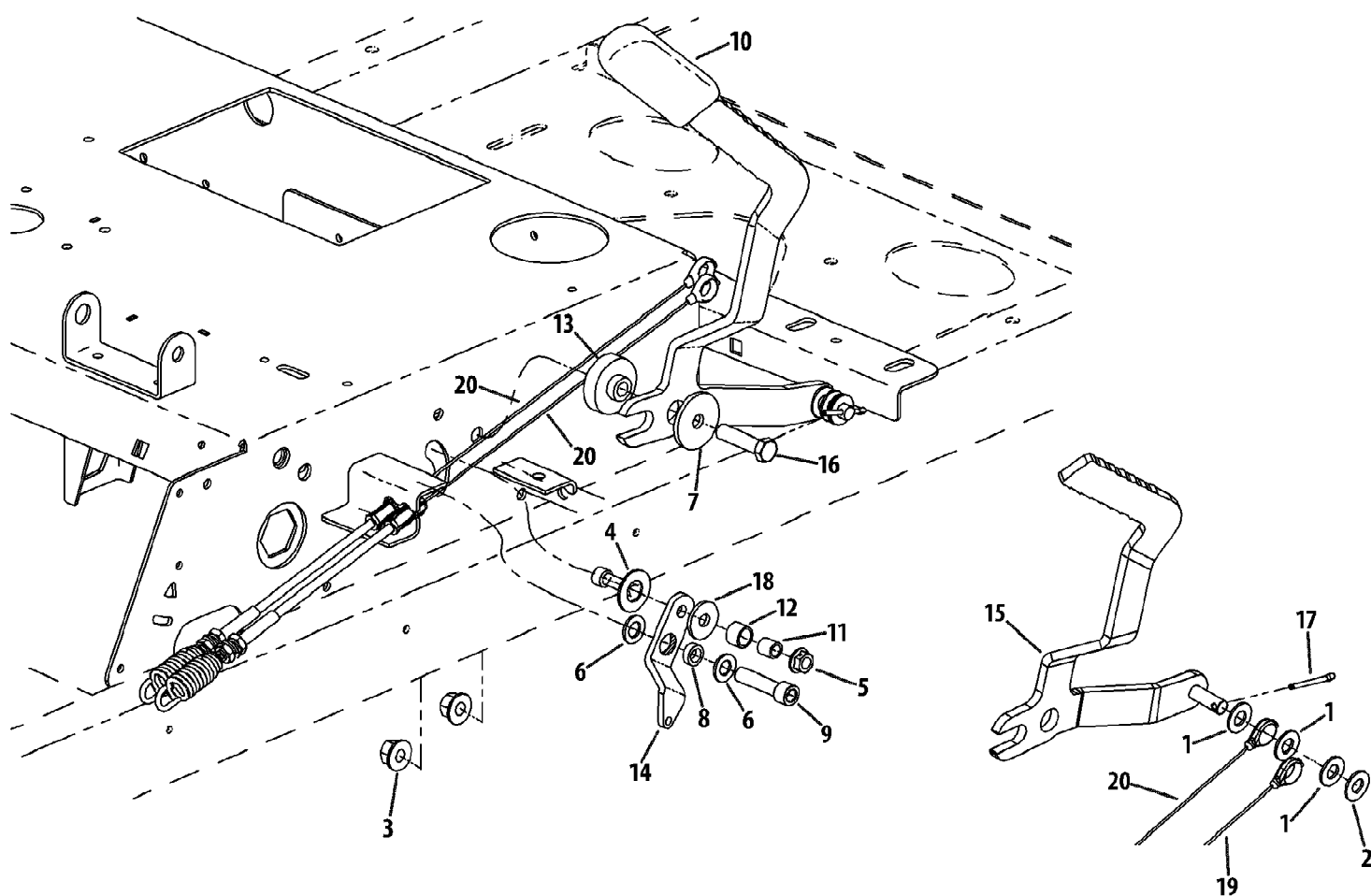
Z-Force 48 Kohler 17BF3AGV
Body Assembly

Page 2 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	00012166	1		Hex Nut, 5.16-18
2	00013116	1		HHCS, 5.16-18 x 1-1.4
3	710-0599	1	/P	Screw, 1.4-20 x 1/2
4	01003563	1		U-Nut, 5.16-18
5	01008539P	1	/P	U-Nut, 1.4-20
6	02002735-4021	1	/P	Left Hand Control Console
7	02002736-4021	1	/P	Right Hand Control Console
8	02002761	1		Forward/Reverse Stop Bracket
9	680-00048-4021	1		Control Housing Weldment
10	703-07000-4021	1		Front Panel
11	710-04484	1		Self-Tapping Screw 5.16-18 x .750
12	710-0642	1	/P	Self-Tapping Screw, 1.4-20 x .75
13	735-04130	1	/P	Battery Edge Trim

Z-Force 48 Kohler 17BF3AGV
Brake Assembly

Page 3 of 51



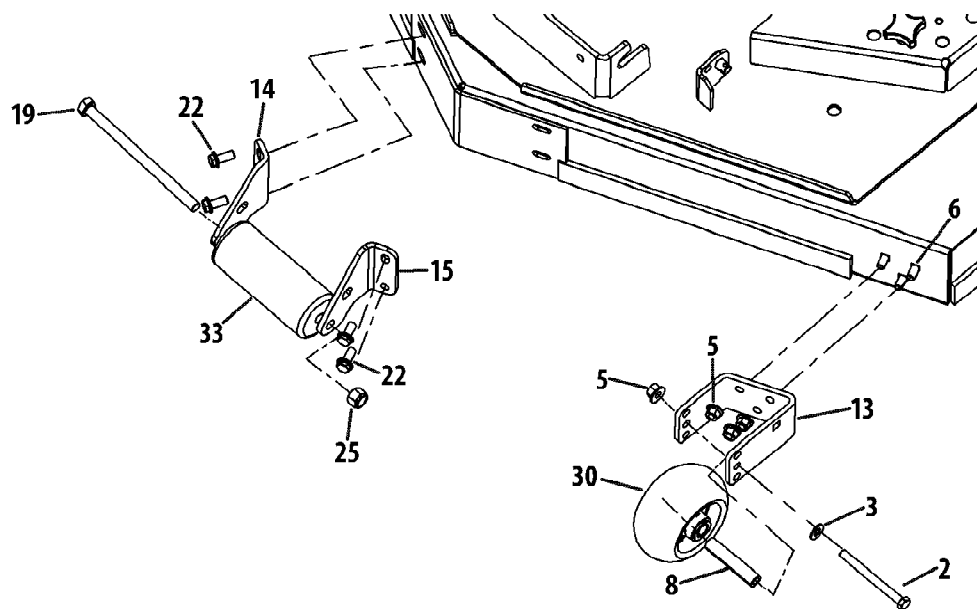
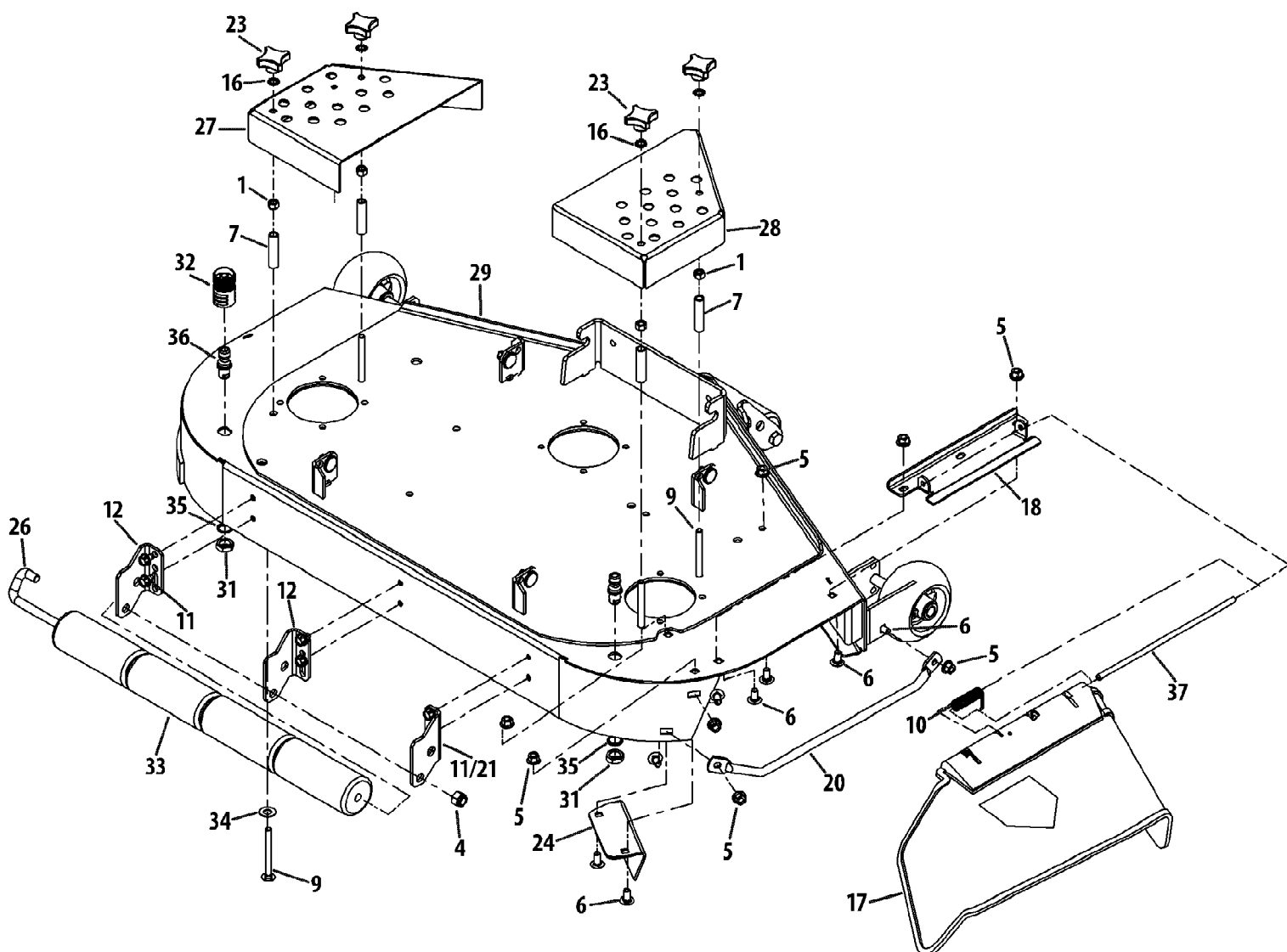
Z-Force 48 Kohler 17BF3AGV
Brake Assembly

Page 4 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	00005530	1		Flat Washer, .406 x .812 x .062
2	00012180	1		Flat Washer, 3.8
3	00022560	1		Hex Nut, 3.8-16 Flange Lock
4	01000101	1		Slide Washer
5	712-3004A	1	/P	Flange Lock Nut, 5.16-18
6	01002710	1		Washer, .375 x .738 x .063
7	01009253	1		Flat Washer, .390 x 1.5 x .134
8	02002885	1		Spacer, .380 x .563 x .196
9	02003717	1		Sockethead Capscrew, 3.8-16 x 1.50
10	02003740	1		Parking Brake Grip
11	02003839	1		Spacer, .322 x .438 x .44
12	02003840	1		Spacer, .442 x .563 x .405
13	02004045	1		Step Hub, .379 x 1.5 x .257/.400
14	02004174	1		Lockout Lever Plate
15	680-00049	1		Brake Handle
16	710-0520	1	/P	Hex Head Cap Screw, 3.8-16 x 1.50
17	914-0474	1	/P	Cotter Pin, 1.8 x .75
18	736-3089	1	/P	Washer, .345 x 1.00 x .100
19	946-04564	1	/P	Left Hand Brake Cable
20	946-04565	1	/P	Right Hand Brake Cable

Z-Force 48 Kohler 17BF3AGV
Deck Assembly

Page 5 of 51



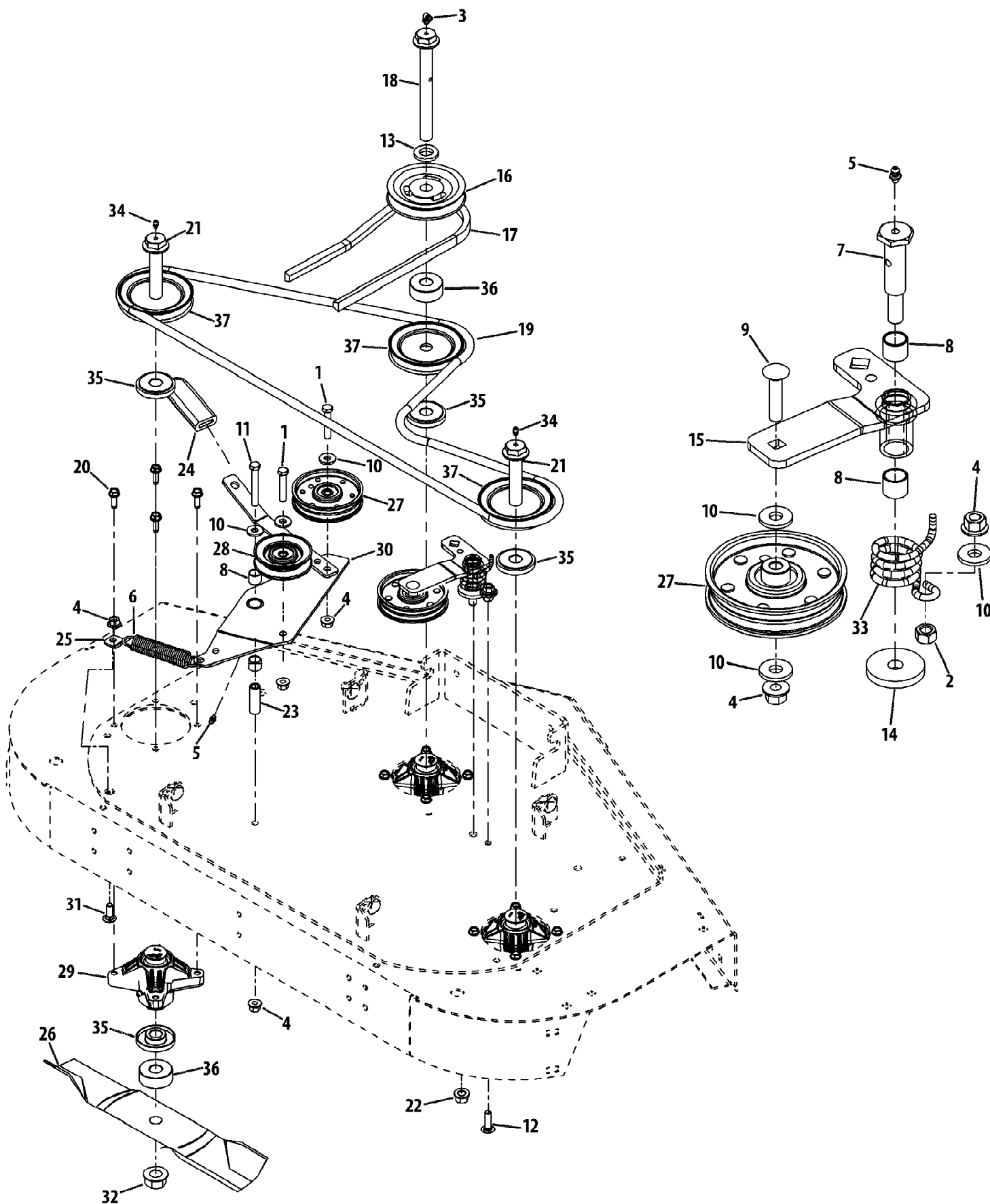
Z-Force 48 Kohler 17BF3AGV
Deck Assembly

Page 6 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	912-3017	1	/P	Nut, 3.8-16
2	00011925	1		Hex Screw, 3.8-16 x 4.00
3	00012158	1		Washer, .406 x .813 x .063
4	00012428	1		Nut, 1.2-13
4	712-3083	1	/P	Hex Lock Nut, 1.2-13
5	00022560	1		Flange Counterlock Nut, 3.8-16
6	710-3178	1	/P	Carriage Bolt, 3.8-16 x .75
7	01000395	1	/P	Spacer, .400 x .560 x 2.45
8	750-3193	1	/P	Spacer, .390 x .620 x 3.04
9	710-0521	1	/P	Carriage Bolt, 3.8-16 x 3.50
10	01003253	1	S	Torsion Spring, .639 x 2.16 x .12
11	01004304	1		Flange Screw, 3.8-16 x .500
12	01004707-4021	1		Roller Mount Bracket
13	01005243-4021	1	/P	Anti-Scalp Front Mount Bracket
14	01005244-4021	1	/P	LH Front Roller Mount Bracket
15	01005245-4021	1	/P	RH Front Roller Mount Bracket
16	01005851	1		Washer, .398 x .694 x .032
17	01006693	1		Chute Deflector
18	01006748-0637	1	/P	Chute Deflector Bracket
19	01006961	1		Hex Screw, 1.2-20 x 7.50
20	01008644	1		Finger Guard
21	01008790-0637	1	/P	RH Roller Mt. Brkt. (44 & 48 Deck)
22	01009243	1		Flange Screw, 3.8-16 x .875
23	02000040	1		Plastic Knob, 3.8-16
24	02001235-0637	1	/P	Micro Chute Baffle
25	02002299	1		Nut, 1.2-20
26	02002799	1	/P	J-Hook
27	02003605-4021	1	/P	LH Belt Cover
28	02003606-4021	1	/P	RH Belt Cover
29	02005230-0637	1	/P	Deck Assembly (44 Inch)
29	02005231-4021	1		Deck Assembly (48 Inch)
29	02005232-0637	1	/P	Deck Assembly (54 Inch)
30	634-3159	1	/P	Wheel
31	912-0641	1	/P	Hex Nut
32	921-04041	1	/P	Water Nozzle Adapter
33	731-3005	1	/P	Front Roller
34	936-0272	1	/P	Flat Washer, .510 x 1.00 x .060
35	936-0760	1	/P	Lock Washer, 17 x 23.8 x 1.95
36	737-04003D	1	/P	Water Deck Nozzle
37	747-3384	1	/P	Chute Deflector Rod

Z-Force 48 Kohler 17BF3AGV
Deck Assembly 48 & 54-Inch

Page 7 of 51



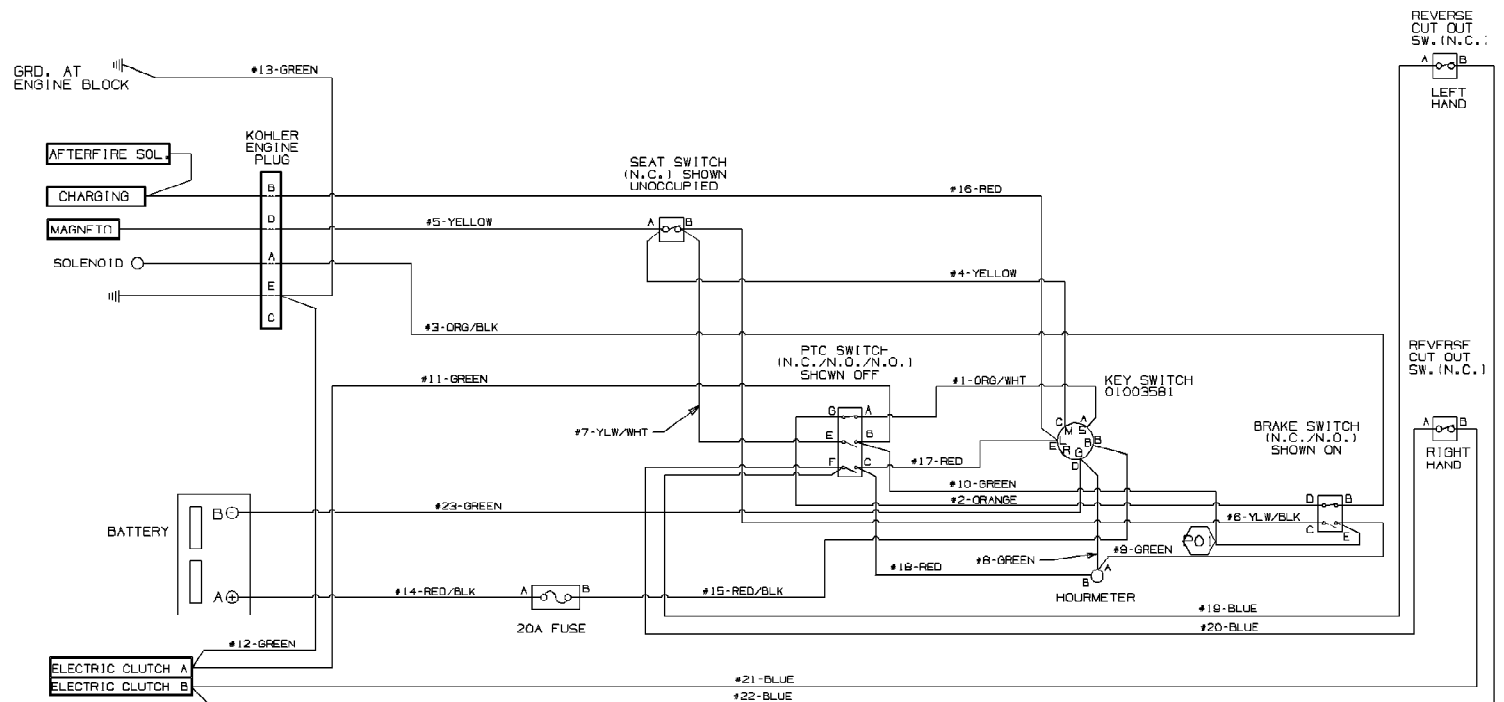
Z-Force 48 Kohler 17BF3AGV
Deck Assembly 48 & 54-Inch

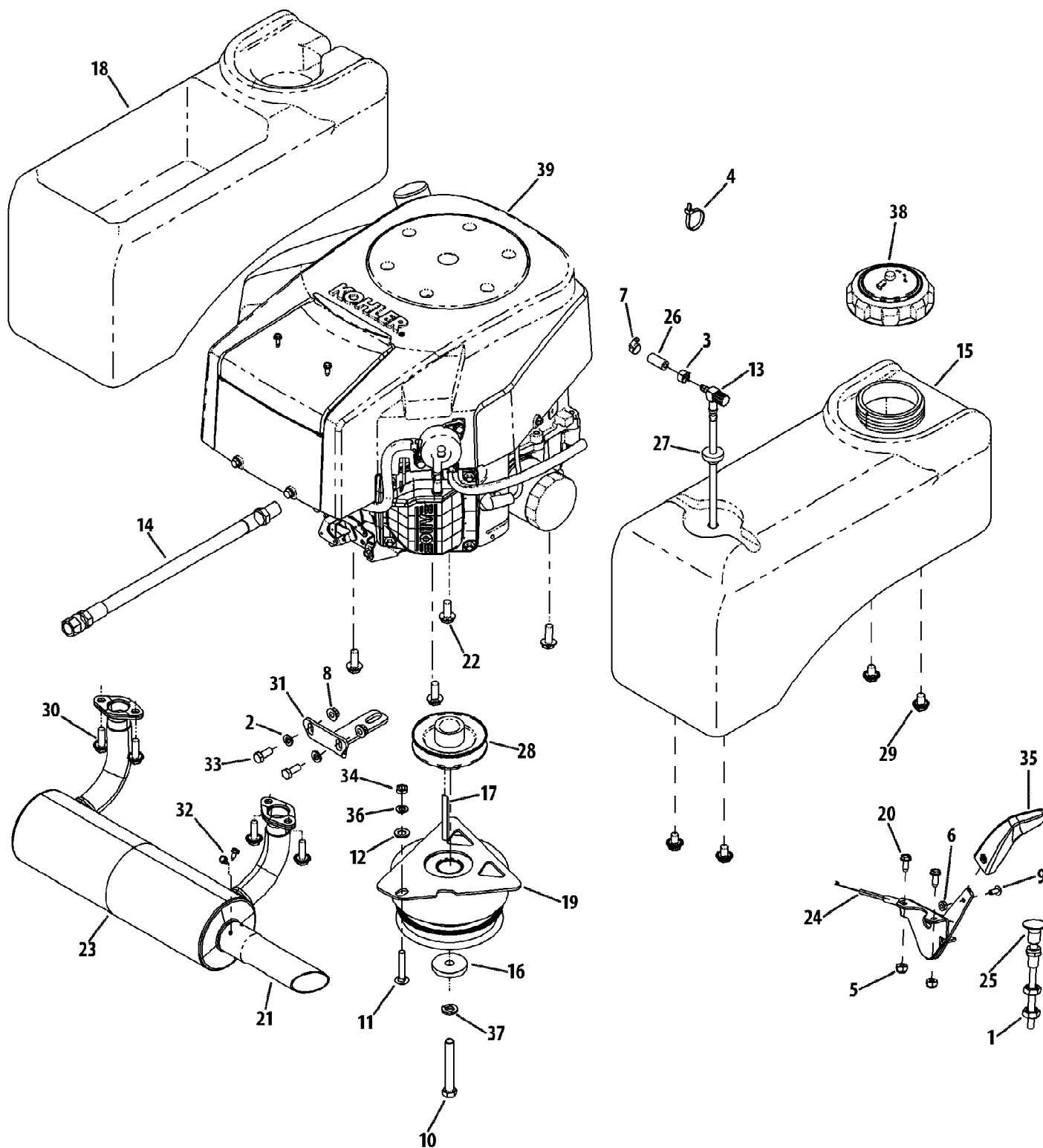
Page 8 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	00002528	1		Hex Screw, 3.8-16 x 2.00
2	912-3017	1	/P	Nut, 3.8-16
3	737-3004	1	/P	Grease Fitting, 1.4-28 x .788
4	00022560	1		Flange Counterlock Nut, 3.8-16
5	00060078	1	/P	Grease Fitting, 1.4-28
6	01000199	1		Extension Spring, 1.00 x 5.00 x .125
7	01000302	1	/P	Shoulder Bolt, .625 x 1.95
8	01000308	1		Sleeve Bearing, .628 x .753 x .625
9	710-0560	1	/P	Carriage Bolt, 3.8-18 x 1.75
10	736-3052	1	/P	Washer, .406 x 1.00 x .105
11	710-3022	1	/P	Hex Screw, 3.8-16 x 2.75
12	710-3034	1	/P	Carriage Bolt, 3.8-16 x 1.25
13	01003123	1		Spacer, .812 x 1.47 x .218
14	01003269	1		Washer, .438 x 1.75 x .250
15	01005737	1	/P	Idler Arm Assembly
16	01005202	1		Pulley (48 Deck)
16	01005201	1		Pulley (54 Deck)
17	01009787	1		V-Belt (48 Deck)
17	01005012	1	/P	V-Belt (54 Deck)
18	02000071	1		Hex Screw, 3.4-16 x 7.16
19	02000154	1		V-Belt (48 Deck)
19	02000653	1	/P	V-Belt (54 Deck)
20	02000762	1		Hex Flange Screw, 5.16-18 x 1.00
21	02000819	1		Hex Flange Screw, 3.4-16 x 5.4
22	02000948	1		Flange Counterlock Nut, 7.16-14
23	02003640	1		Spacer, .390 x .625 x 1.88
24	02003740	1		Flat Grip, 1.0 x 3.2 x .25
25	02004195	1	/P	Spring Mount Bracket
26	02005017	1	/P	Hi-Lift Blade, 17.0 48" deck
26	02005018	1	/P	Hi-Lift Blade, 19.0 54" deck
27	02005077	1	/P	Idler Pulley
28	02005078	1		Idler Pulley
29	918-04426	1	/P	Spindle Assembly
30	853-000029	1		Double Idler
31	710-3168	1	/P	Carriage Bolt, 3.8-16 x 1.00
32	712-3078	1	/P	Flange Lock Nut, 3.4-16
33	732-3067	1		Torsion Spring (48 Deck)
33	932-3009	1	/P	Torsion Spring (54 Deck)
34	737-3000	1	S	Drive Lube Fitting
35	748-3065A	1	/P	Deck Spindle Spacer
36	750-05184	1	/P	Spacer, .760 x 2.000 x .790
37	756-3089	1		Pulley

Z-Force 48 Kohler 17BF3AGV Electrical Schematic

Page 9 of 51





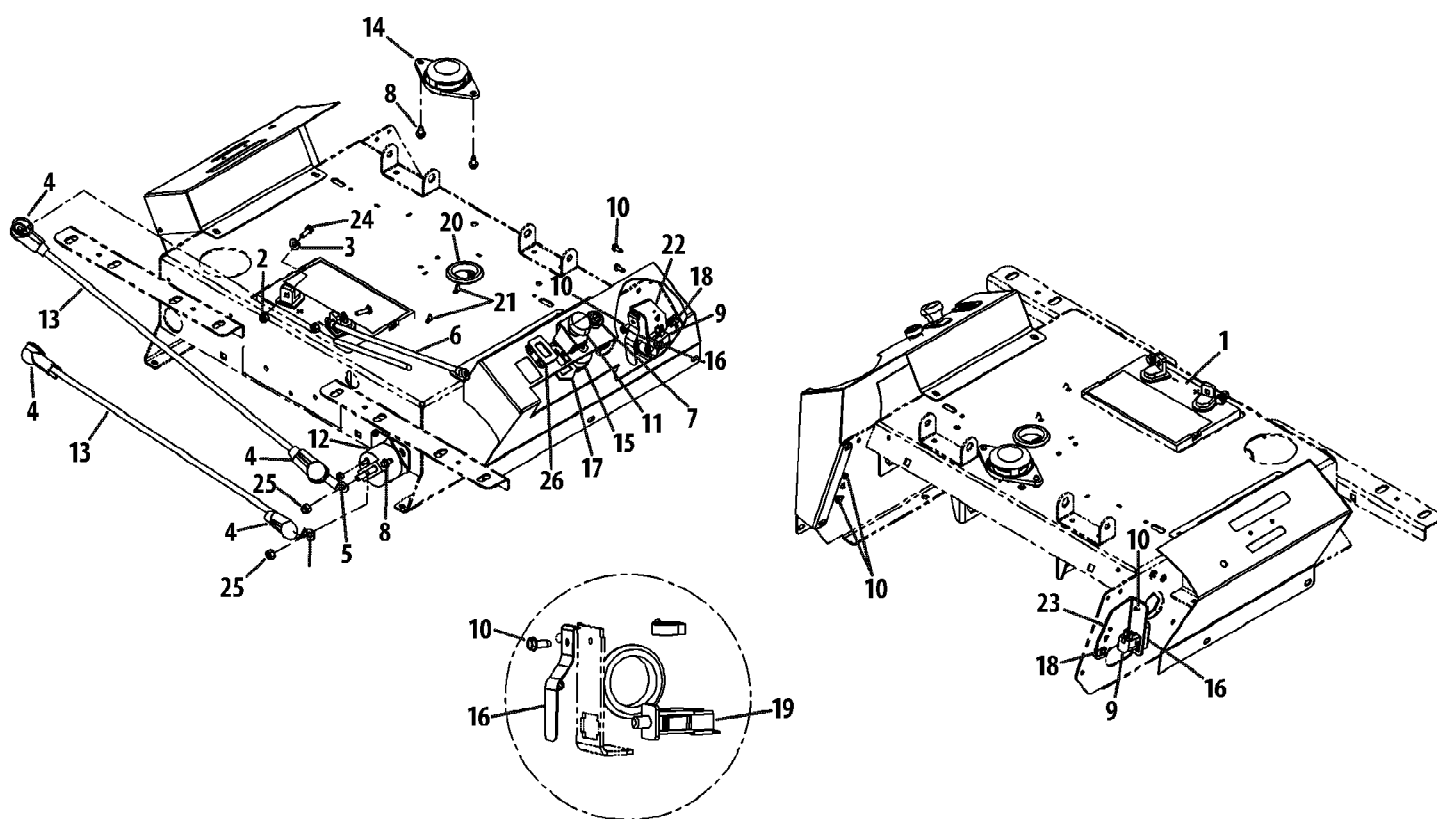
Z-Force 48 Kohler 17BF3AGV
Engine Accessories

Page 11 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	00011453	1		Jam Nut, 3/8-24
2	00012169	1		Washer, .344 x .688 x .063
3	00012235	1		Hose Clamp, .490
4	725-0157	1	/P	Cable Tie
5	00014608	1	/P	Nylock Nut, #10-32
6	00060056	1		Nut, #8-32
7	01000215	1		Hose Clamp, .250-.625
8	712-3004A	1	/P	Flange Counterlock Nut, 5/16-18
9	710-3217	1	/P	Machine Screw, #8-32 x .356
10	710-0510	1	/P	Hex Screw, 7.16-20 x 3.00
11	710-0458	1	/P	Carriage Bolt, 5/16-18 x 1.75
12	01002710	1		Washer, .406 x .750 x .063
13	01003116	1		Fuel Pick-Up Fitting
14	01003283	1		Oil Drain Hose
15	01004350	1		Fuel Tank
16	736-04131	1	/P	Washer, .438 x 1.745 x .250
17	01007533	1		Bevel Key, .250 x .250 x 2.75
18	01008138P	1	/P	Utility Bin
19	01008434P	1	/P	PTO
20	01008531P	1	/P	Flange Screw, #10-32 x .500
21	01008623	1		Straight Exhaust Pipe
22	01009243	1		Flange Screw, 3/8-16 x .875
23	02000456	1		Muffler
24	02000477	1		Throttle Control Cable
25	02000478	1		Choke Cable
26	02001911-5	1		Fuel Hose, 1/4
27	02002253	1	/P	Fuel Tank Grommet
28	02003417	1	/P	Transmission Drive Pulley
29	02005013	1		Hex Flange Screw, 3/8-16 x .500
30	02005299	1		Hex Flange Screw, 5/16-18 x 1.0
31	703-07213	1		PTO Retainer Bracket
32	910-0224	1	/P	Hex Washer Screw, #10-16 x 0.500
33	710-3008	1	/P	Hex Screw, 5/16-18 x .75
34	712-3007	1	/P	Jam Nut, 5/16-18
35	731-04914	1	/P	Throttle Control Knob
36	936-0119	1	/P	Lock Washer, 5/16
37	936-0171	1	/P	Lock Washer, 7/16
38	951-3124E	1	/P	Fuel Cap
39	KH-SV715-3025	1		Kohler SV715-3025 Engine Z-Force 48 Kohler 17BF3AGV
39	KH-SV710-0035	1		Kohler SV710-0035 Engine Z-Force 44 Kohler 17AE3AGF
39	02005087P	1	/P	Kohler SV720-3044 Engine Z-Force 54 Kohler 17BF3AGX

Z-Force 48 Kohler 17BF3AGV
Engine Connections

Page 12 of 51



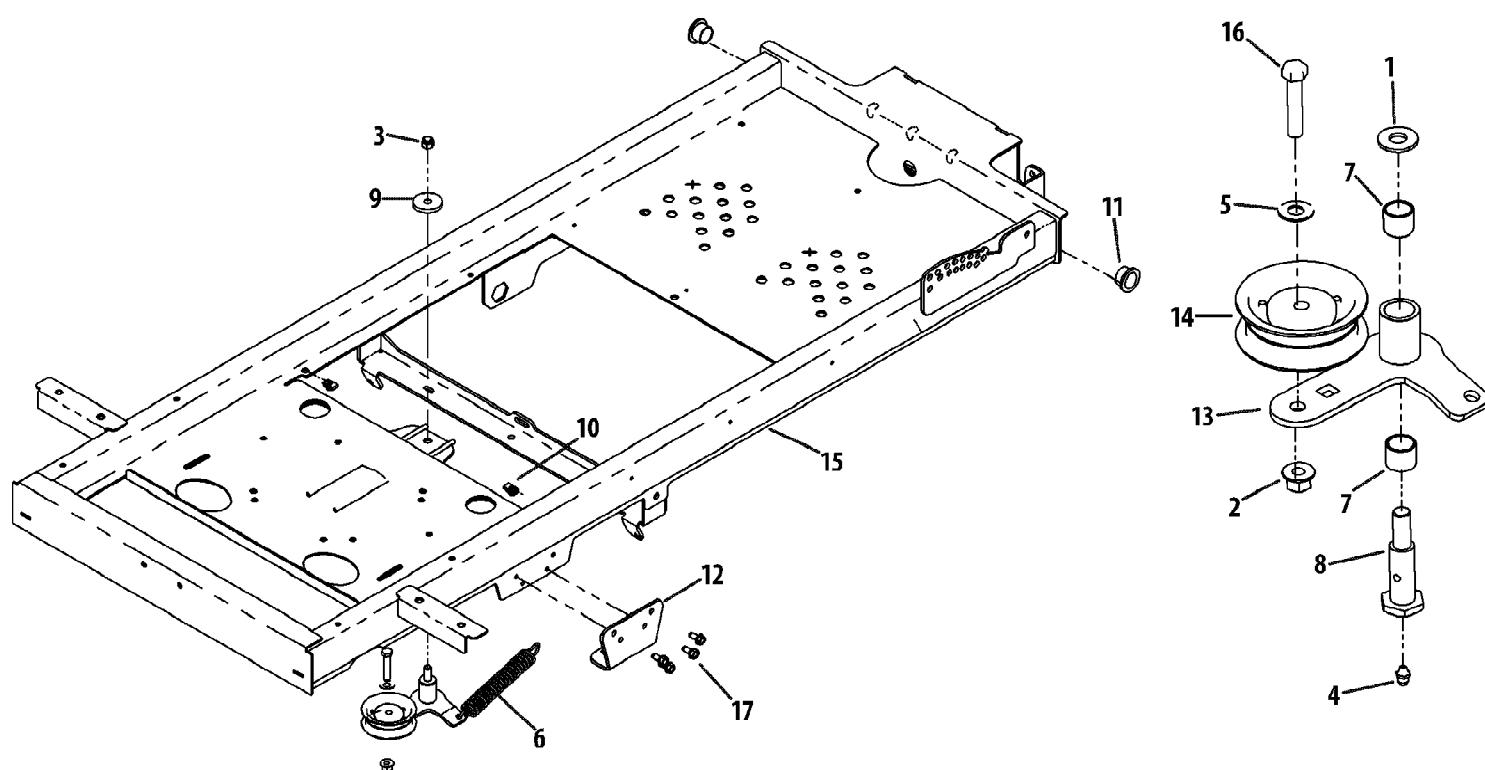
Z-Force 48 Kohler 17BF3AGV
Engine Connections

Page 13 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	925-1707D	1	/P	Battery
2	00012152	1		Nylock Nut, 1/4-20
3	00012154	1		Washer, .281 x .625 x .063
4	00013258	1		Boot Terminal, 1.00 x 2.50
5	00014608	1	/P	Nylock Nut, #10-32
6	00024233	1		Battery Cable
7	00032097	1		Nut, 5/8-32
8	710-0599	1	/P	Hex Flange Screw, 1/4-20 x .500
9	01001717	1		Switch
10	01001864	1		Flange Screw, #10-24 x .500
11	01002111	1		PTO Switch
12	01002228	1		Solenoid
13	01002252	1		Battery Cable
14	01003277	1		Seat Switch
15	01003581P	1	/P	Ignition Switch
15	925-0201	1	/P	Key Not shown
16	732-04200	1	/P	Renovator Spring
17	01009905	1		PTO Bracket
18	01009931	1		Nut, #10-24
19	02000024P	1	/P	Delta Switch
20	02001134	1		Grommet, 1/8 x 1.5 x 2.13
21	02003037	1		Electric CDT Clip
22	02003926	1		RH Deck Switch Mount Bracket
23	02003927	1		LH Deck Switch Mount Bracket
24	710-3015	1	/P	Hex Screw, 1/4-20 x .75
25	912-0429	1	/P	Hex Lock Nut, 5/16-18
26	725-05120	1	S	Hour Meter
	02002990	1		Wiring Harness Not Shown
	02005213	1		Harness Assembly Not Shown

Z-Force 48 Kohler 17BF3AGV
Frame Assembly

Page 14 of 51



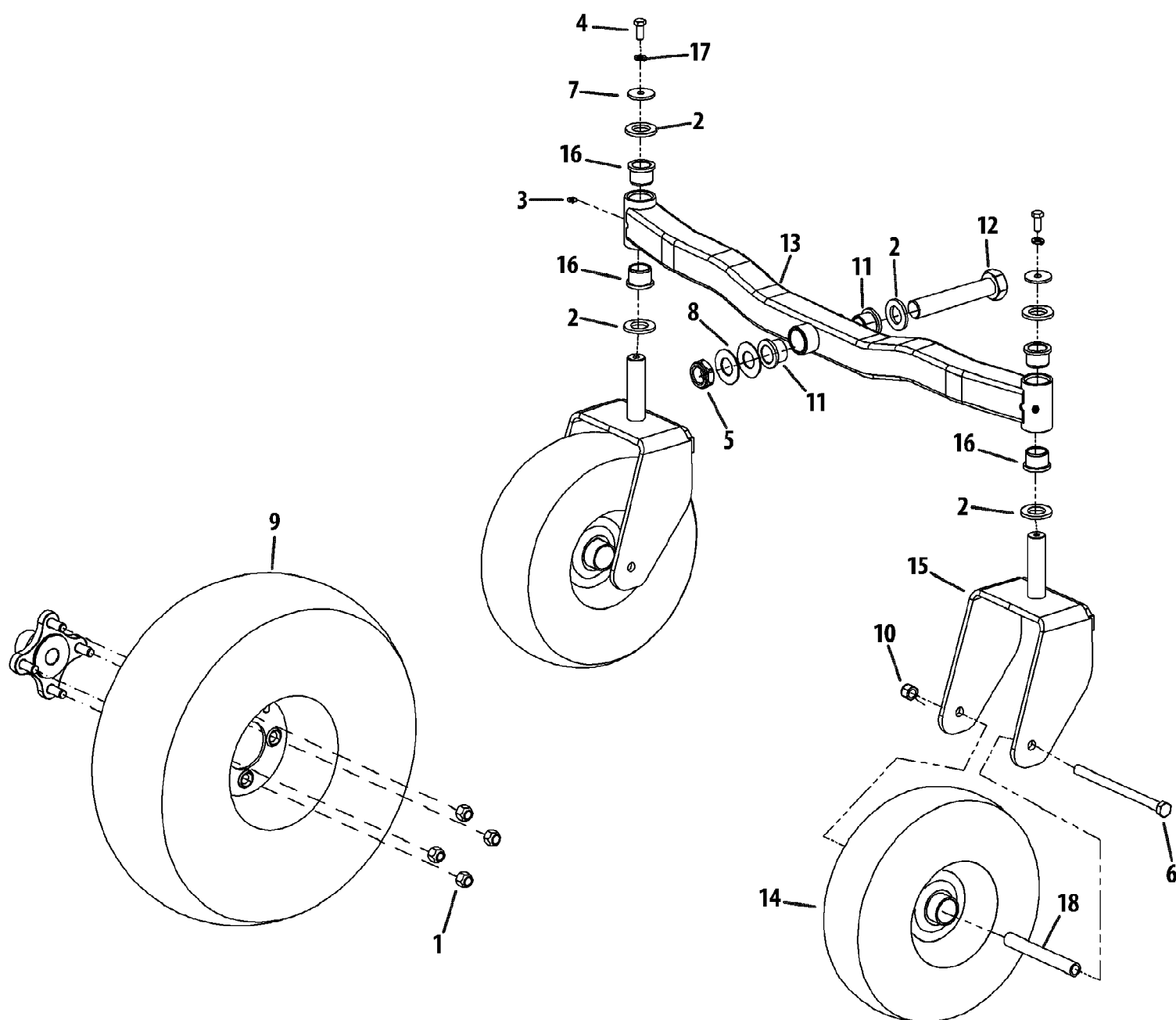
Z-Force 48 Kohler 17BF3AGV
Frame Assembly

Page 15 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	00006168	1		Flat Washer, 3.8
2	00022560	1		Flange Lock Nut, 3.8-16
3	712-0290	1	/P	Nylock Nut, 7.16-14
4	00060078	1	/P	Grease Fitting, 1.4-28 x 3.16
5	00061053	1		Washer, 3.8
6	01000199	1		Extension Spring, 1.00 x 5.00
7	01000308	1		Bearing Sleeve
8	738-3108	1	/P	Shoulder Bolt
9	01003269	1		Flat Washer, 7.16 x 1.75
10	01008539P	1	/P	U-Nut, 1.4-20
11	02002628	1		Bronze Bushing, .875 x 1.50
12	02002641-0637	1	/P	Transmission Mounting Bracket
13	02003641	1		Idler Arm
14	02004558	1	/P	Flat Idler Pully
15	02004865-0637	1	/P	Frame Assembly
16	710-0347	1	/P	Hex Cap Screw, 3.8-16 x 1-3.4
17	710-04484	1		Self Tapping Screw, 5.16-18 x .750

Z-Force 48 Kohler 17BF3AGV
Front Caster & Tire Assembly

Page 16 of 51



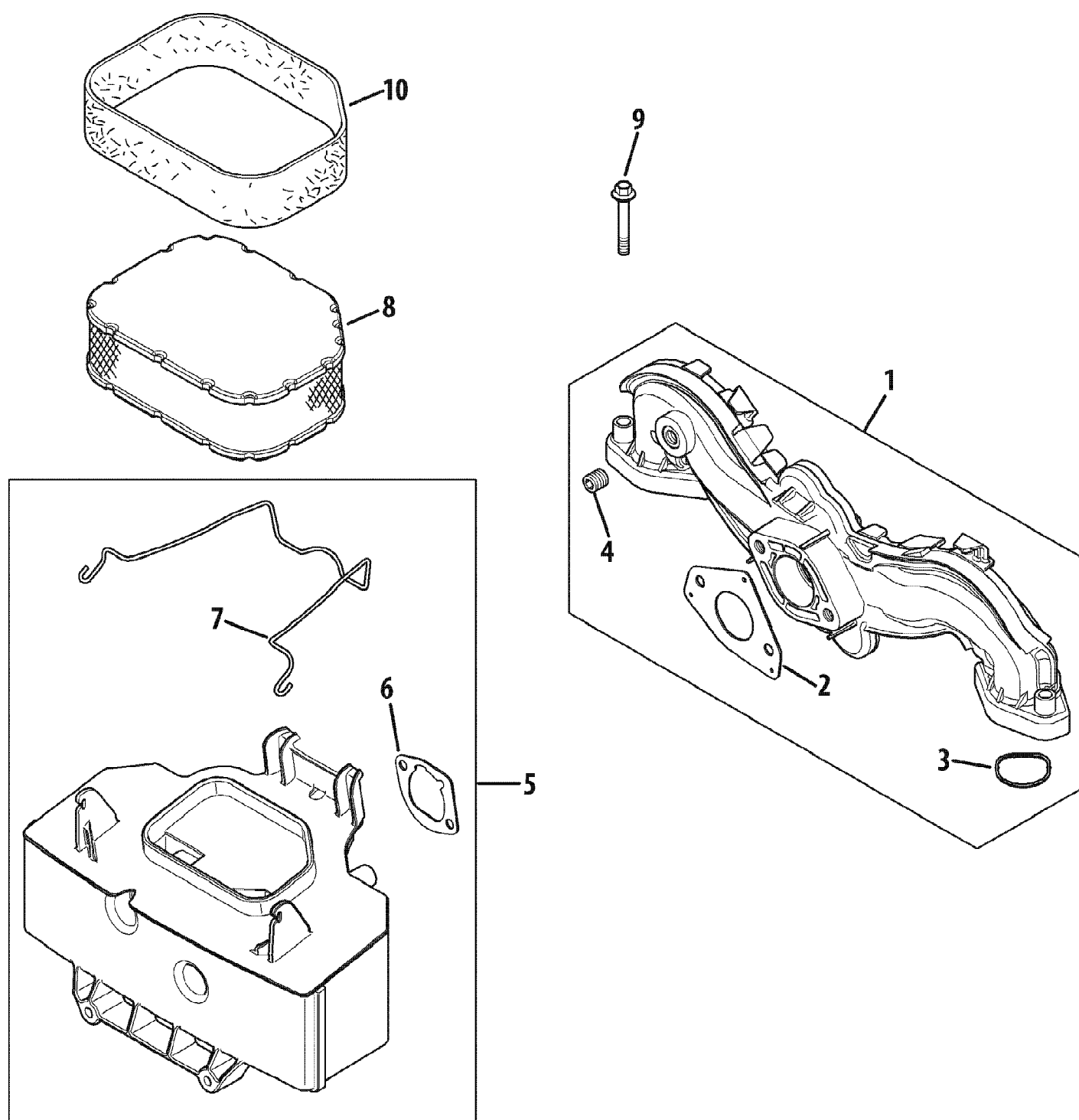
Z-Force 48 Kohler 17BF3AGV
Front Caster & Tire Assembly

Page 17 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	00012187	1		Lug Nut, 1/2-20
2	00023822	1		Washer, 1.00 x 1.75 x .172
3	00060078	1	/P	Grease Fitting, 1/4-28
4	710-3001	1	/P	Hex Screw, 3/8-16 x .880
5	712-3075	1	/P	Jam Nut, 1-14
6	01006961	1		Hex Screw, 1/2-20 x 7.50
7	01009253	1		Washer, .390 x 1.50 x .122
8	02000588	1		Washer, 1.00 x 2.00 x .075
9	02000966	1		Wheel Assy., 20 x 8-10 (44" Deck)
9	634-04495	1		Wheel Assy., 20 x 8-10 (48" Deck)
9	02003490	1		Wheel Assy., 20 x 10.00 x 10 (54" Deck)
10	02002299	1		Nylock Nut, 1/2-20
11	02003599	1	S	Flange Bearing, 1.001 x 1.25
12	02003804	1		Hex Screw, 1-14 x 5.5
13	02004600-0637	1	/P	Front Axle Weldment
14	02004999	1		Wheel Assembly, 13 x 5-6
15	02005001-0637	1	/P	Castor Wheel Mount Bracket Assy.
16	931-0374	1	/P	Flange Bearing, 1.000 x 1.254
17	936-0169	1	/P	Lock Washer, 3/8
18	750-04775A	1	/P	Spacer, .51 x .75 x 5.825

Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Air Intake & Filtration

Page 18 of 51



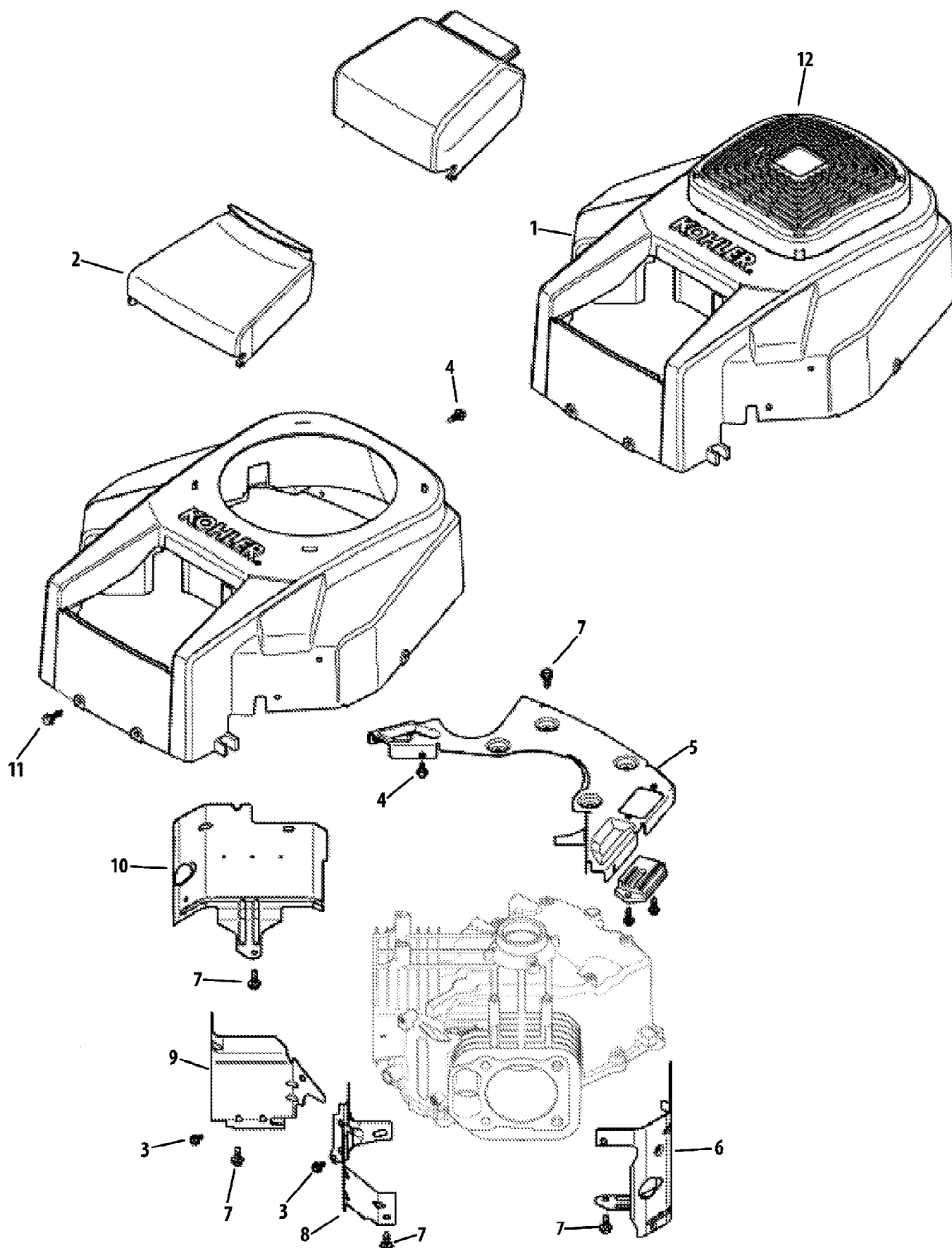
Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Air Intake & Filtration

Page 19 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-164-91-S	1	/P	Intake Manifold Kit (Inc. #2-4)
2	KH-24-041-52-S	1	/P	Carburetor Gasket
3	KH-24-153-27-S	1	/P	Intake Port O-Ring
4	KH-25-139-60-S	1	/P	Ctsk. Pipe Plug, 1.8
5	KH-32-094-04-S	1	/P	Air Cleaner Base Kit (Inc. #5 & 6)
6	KH-24-041-14	1	/P	Air Cleaner Base Gasket
7	KH-32-344-02-S	1		Air Cleaner Element Latch
8	KH-32-883-03-S1	1	/P	Air Filter Element
9	KH-M-651040-S	1		Flg. Screw, M6 x 1.0 x 40
10	KH-32-883-03-S1	1	/P	Pre-Cleaner Element

Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Blower Housing & Baffles

Page 20 of 51



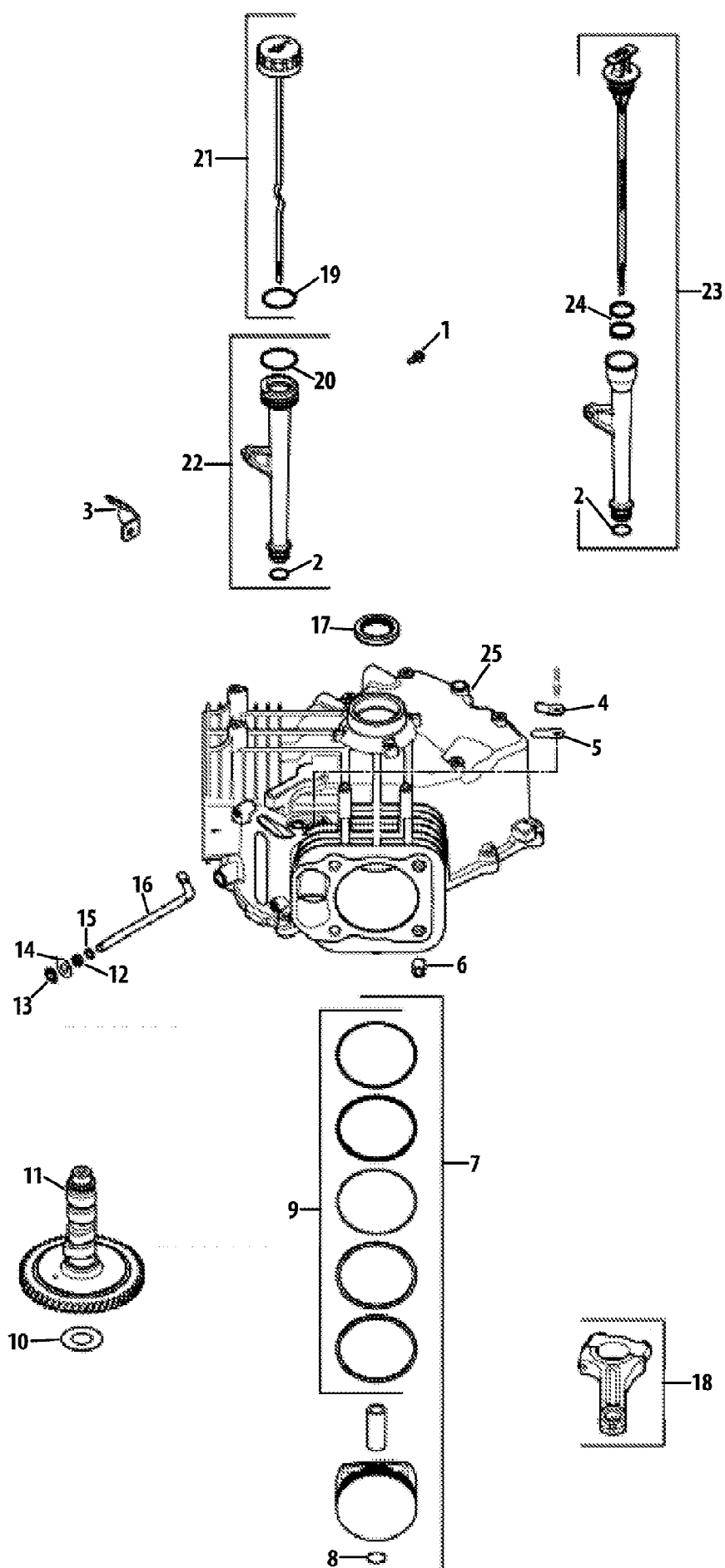
Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Blower Housing & Baffles

Page 21 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-027-08-S	1	/P	Blower Housing Kit (Fixed Guard) (Inc. #12 & KH-41-037-10-S)
2	KH-32-096-08-S	1		Air Cleaner Cover
3	KH-M-0545010	1	/P	Flange Screw, M5 x .8 x 10
4	KH-M-545016-S	1	/P	Flange Screw, M5 x .8 x 16
5	KH-32-146-05-S	1		Backing Plate Kit
6	KH-32-063-12-S	1		Cylinder Barrel Baffle, #2 Side
7	KH-M-645016-S	1	/P	Flange Screw, M6 x 1.0 x 16
8	KH-32-063-02-S	1		Valley Baffle, #2 Side
9	KH-32-063-03-S	1		Valley Baffle, #1 Side
10	KH-32-063-10-S	1		Cylinder Barrel Baffle, #1 Side
11	KH-24-086-12	1		Screw, M6 x 1.7 x 18
12	KH-32-314-05-S	1		Fixed Guard
	KH-32-113-11-S	1		Fixed Guard Decal
	KH-41-037-10-S	1		Service Nameplate

Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Crankcase

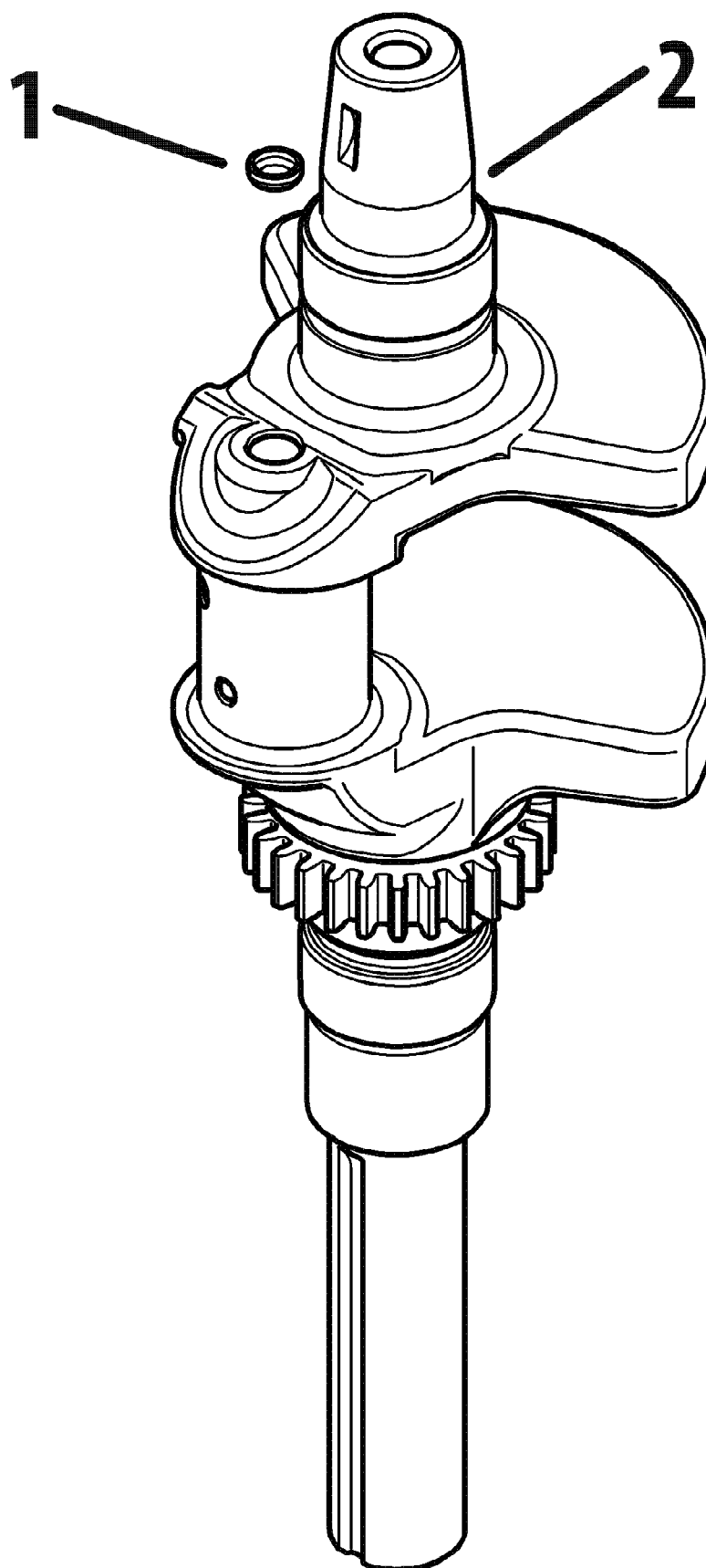
Page 22 of 51



Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Crankcase

Page 23 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-M-545013-S	1		Flange Screw, M5 x .8 x 13
2	KH-12-153-01-S	1	/P	Lower Oil Fill Tube O-Ring
3	KH-24-126-19	1		Oil Fill Tube Bracket
4	KH-24-018-04-S	1		Breather Reed Retainer
5	KH-12-402-02	1		Breather Reed
6	KH-24-380-16-S	1	/P	Locating Pin
7	KH-24-874-46-S	1	/P	Piston w/ Ring Set Kit (Inc. #8 & 9)
7	KH-25-874-03-S	1		Piston w/ Ring Set Kit (Inc. #8 & 9)
7	KH-25-874-02-S	1	/P	Piston w/ Ring Set Kit (Inc. #8 & 9)
8	KH-24-018-01-S	1	/P	Piston Pin Retainer
9	KH-24-108-15-S	1		Ring Set (.08)
9	KH-24-108-14-S	1		Ring Set (STD)
9	KH-24-108-16-S	1	/P	Ring Set (.25)
10	KH-12-422-07-S	1	/P	Camshaft Shim (White, .028)
10	KH-12-422-08-S	1	/P	Camshaft Shim (Blue, .03)
10	KH-12-422-09-S	1	/P	Camshaft Shim (Red, .032)
10	KH-12-422-10-S	1	/P	Camshaft Shim (Yellow, .034)
10	KH-12-422-11-S	1	/P	Camshaft Shim (Green, .036)
10	KH-12-422-12-S	1	/P	Camshaft Shim (Gray, .038)
10	KH-12-422-13-S	1	/P	Camshaft Shim (Black, .04)
11	KH-32-012-01-S	1		Camshaft Kit (Inc. KH-25-357-14-S)
12	KH-28-032-09-S	1		Governor Cross Shaft Seal
13	KH-24-018-09-S	1		Ring Retainer
14	KH-M-931010-S	1		Flat Washer, 9mm
15	KH-24-468-15-S	1		Flat Washer, 11.32
16	KH-24-144-38-S	1	/P	Governor Cross Shaft
17	KH-24-032-19-S	1	/P	Oil Seal, 1.78 x 1.26
18	KH-24-067-24-S	1	S	Connecting Rod (STD)
19	KH-25-153-02-S	1		Dipstick O-Ring
20	KH-12-153-02-S	1	/P	Upper Oil Fill Tube O-Ring (Before S/N 3909900011)
21	KH-24-038-04-S	1	/P	Dipstick Assembly (Before S/N 3909900011) (Inc. #19)
22	KH-25-123-07-S	1	S	Tube Assembly (Before S/N 3909900011) (Inc. #2, 20 & KH-12-123-04-S)
23	KH-32-755-04-S	1	/P	Dipstick & Tube Kit (After S/N 3909900001) (Inc. #24 & KH-20-153-02-S)
24	KH-20-153-01-S	1		O-Ring (After S/N 3909900001)
25	N/A	1		Crankcase (Use Short Block)
	KH-25-357-14-S	1		Camshaft Lubricant Not shown



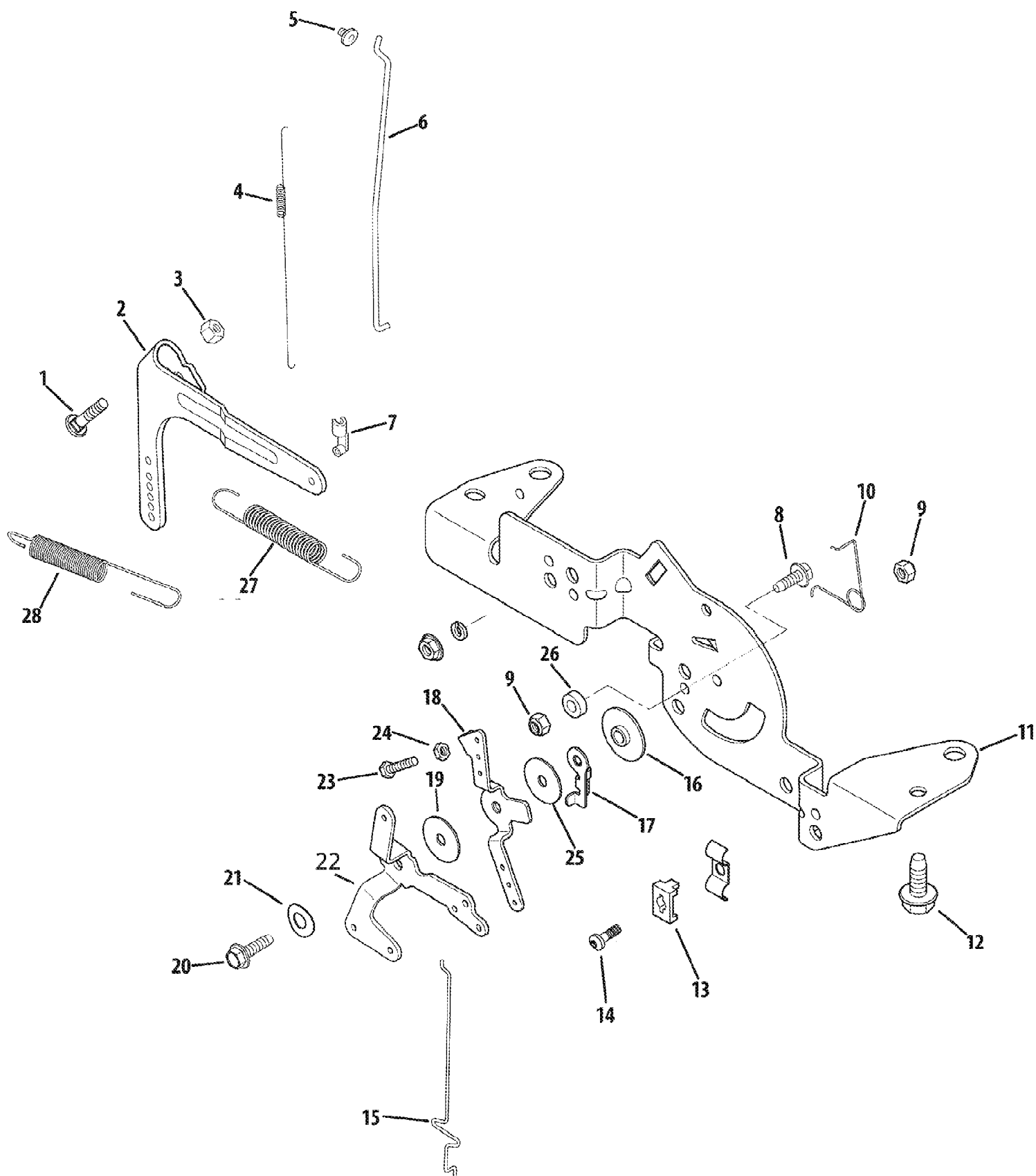
Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Crankshaft

Page 25 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-52-139-09-S	1	/P	Cup Plug
2	KH-32-014-04-S	1	S	Crankshaft (Inc. #1)

Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Engine Controls

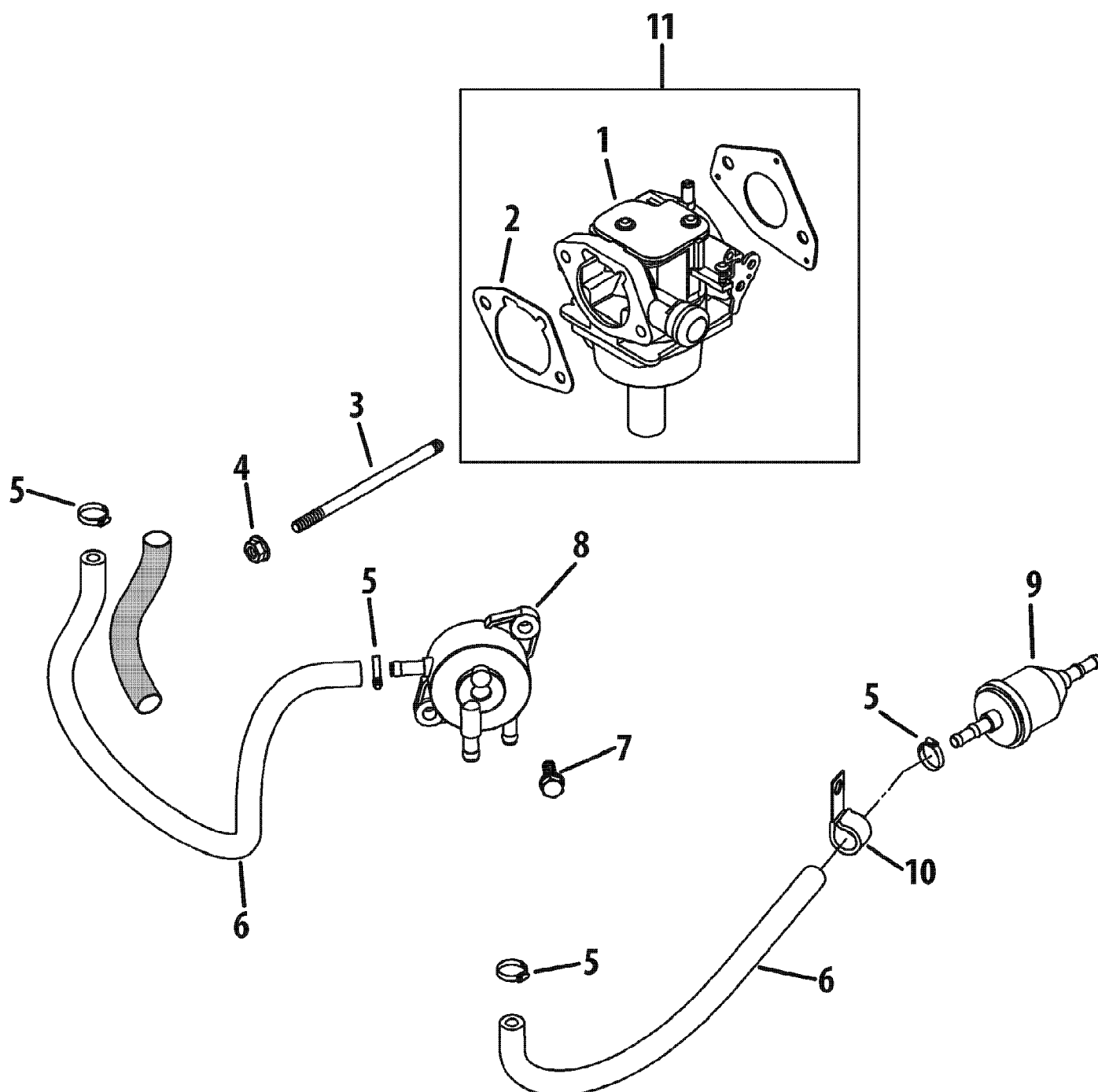
Page 26 of 51



Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Engine Controls

Page 27 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-211-03-S	1		Bolt, M6 x 1.0 x 25
2	KH-24-090-51-S	1	/P	Governor Lever
3	KH-M-641060-S	1	/P	Flange Nut, M6 x 1.0
4	KH-24-089-01	1		Linkage Spring
5	KH-25-158-08	1	/P	Linkage Retaining Bushing
6	KH-24-079-04	1		Throttle Linkage
7	KH-25-158-11	1	/P	Throttle Linkage Bushing
8	KH-M-545016-S	1	/P	Flange Screw, M5 x .8 x 16
9	KH-M-547050-S	1		Lock Nut, M5 x .8
10	KH-24-089-03	1		Choke Return Spring
11	KH-24-126-172-S	1	/P	Control Bracket
12	KH-M-645016-S	1	/P	Flange Screw, M6 x 1.0 x 1
13	KH-12-237-01	1		Cable Clamp
14	KH-24-086-43-S	1		Screw, M5 x .8 x 16
15	KH-24-079-22-S	1		Choke Linkage
16	KH-24-112-27-S	1		Control Assembly Spacer
17	KH-24-090-47-S	1		Throttle Actuator Lever
18	KH-24-090-13	1		Throttle Control Lever
19	KH-24-468-01	1		Flat Washer, 5.5mm
20	KH-M-545020-S	1		Flange Screw, M5 x .8 x 20
21	KH-41-468-03	1		Spring Washer, 1.4
22	KH-24-090-05	1		Choke Lever
23	KH-M-403025	1		Screw, M4 x .7 x 25
24	KH-M-446030-S	1	/P	Nut, M4 x .7
25	KH-24-468-20-S	1		Flat Washer, 5mm
26	KH-24-112-24-S	1		Spacer
27	KH-24-089-55-S	1		Governor Spring
28	KH-24-089-25-S	1	/P	Governor Spring



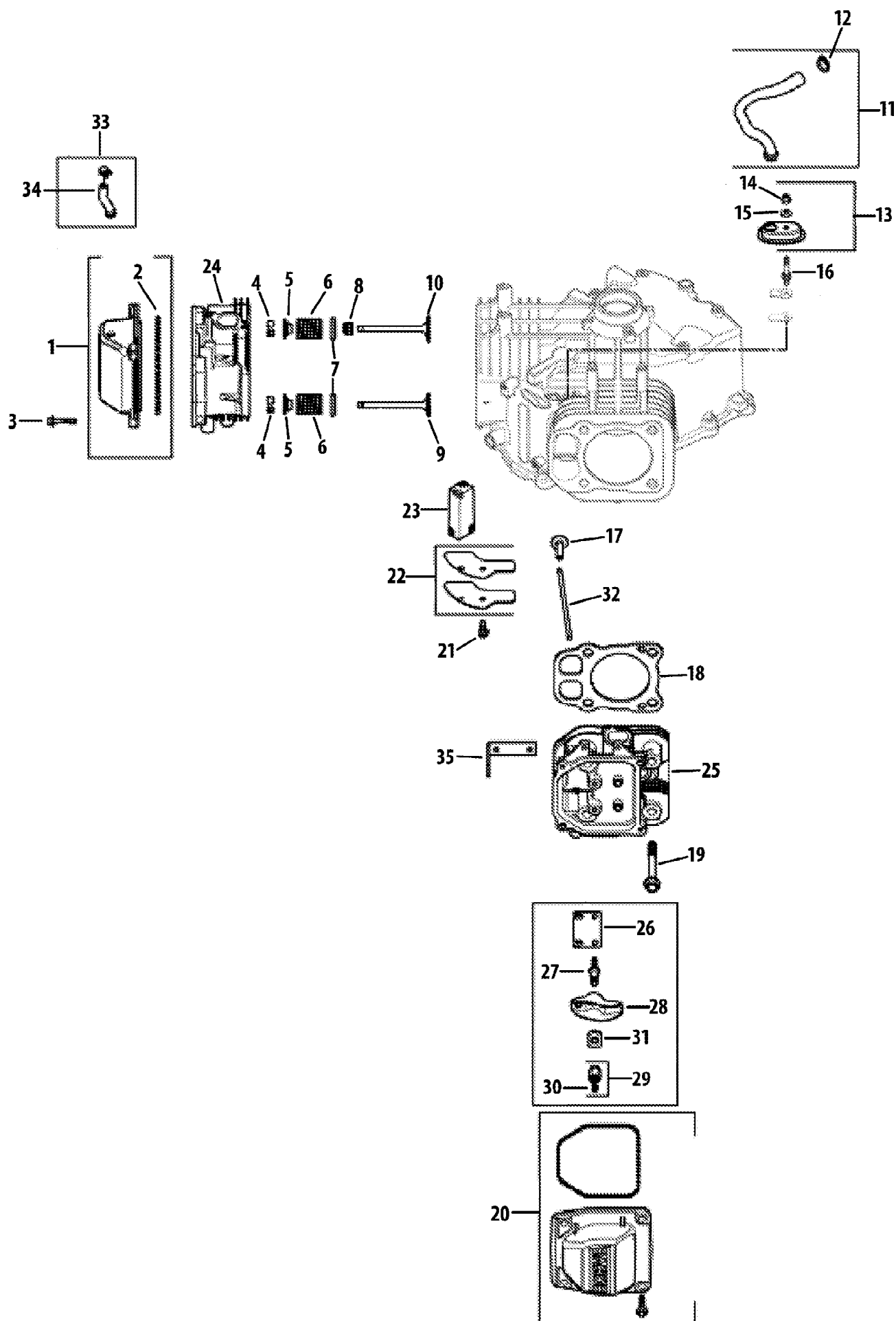
Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Fuel System

Page 29 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-041-52-S	1	/P	Carburetor Gasket
2	KH-24-041-14	1	/P	Air Cleaner Base Gasket
3	KH-M-629105-S	1		Stud, M6 x 1.0 x 106
4	KH-M-641060-S	1	/P	Flange Nut, M6 x 1.0
5	KH-25-237-14-S	1	/P	Hose Clamp, 1.2
6	KH-25-111-34-S	1		Fuel Line
7	KH-24-086-12	1		Tap Screw, M6 x 1.7 x 18
8	KH-24-393-16	1	/P	Fuel Pump
9	KH-25-050-22-S1	1	/P	Fuel Filter
10	KH-47-154-01-S	1	/P	Cable Clip
11	KH-32-853-11-S	1	/P	Carburetor Kit, 19mm KEIHIN (Inc.#2 & 3)
	KH-24-757-36-S	1		Choke Repair Service Kit (Inc. #2 & 3) Not shown
	KH-24-757-38-S	1		Gasket Repair Service Kit (Inc. #2 & 3) Not shown
	KH-24-757-44-S	1		Float Kit (Inc. #2 & 3) Not shown
	KH-24-757-45-S	1	/P	Solenoid Valve Repair Kit (Inc. #2 & 3) Not shown
	KH-24-757-46-S	1	/P	Repair Overhaul Kit (Inc. #2 & 3) Not shown

Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Head, Valve & Breather

Page 30 of 51



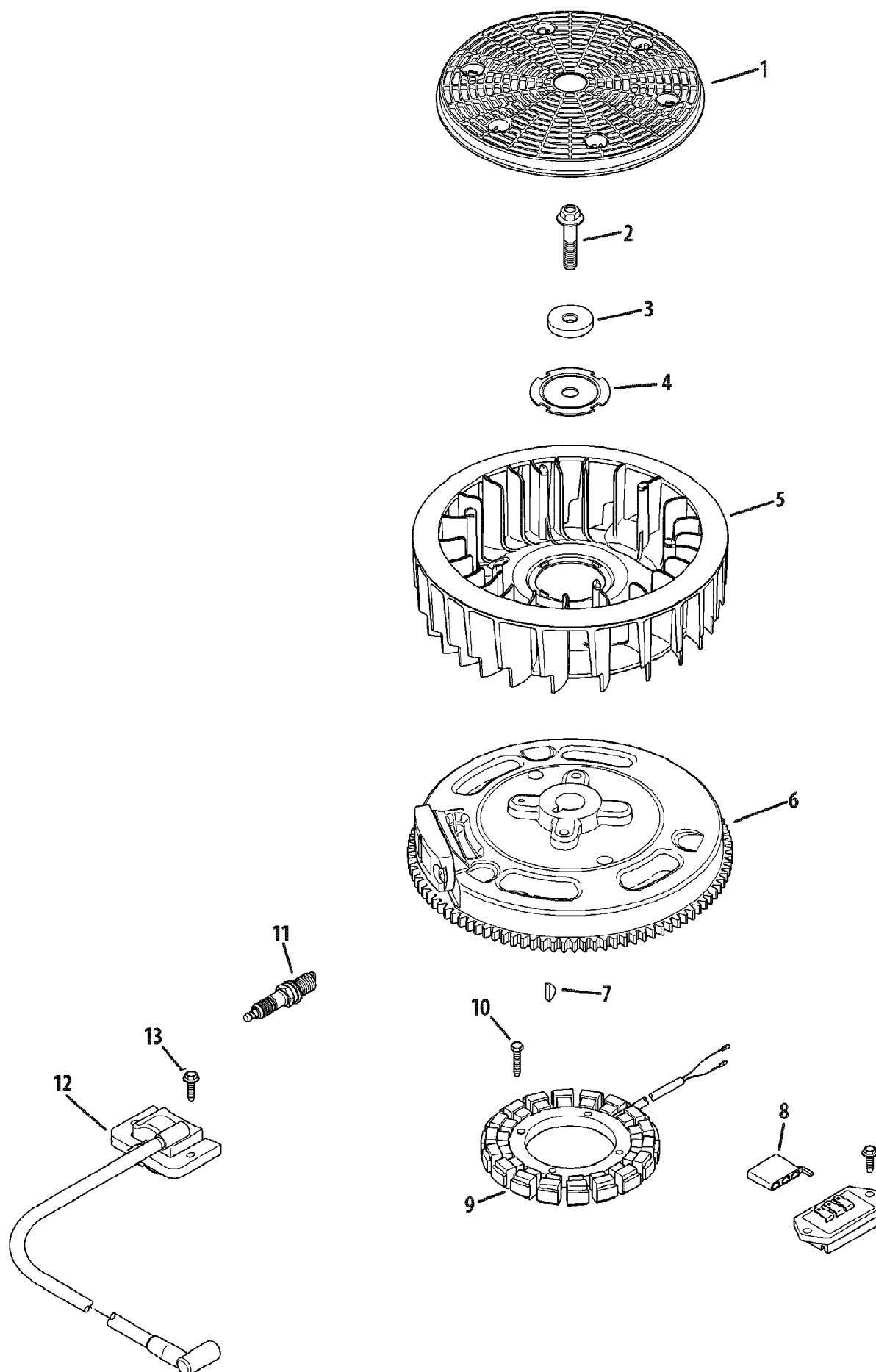
Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Head,Valve & Breather

Page 31 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-096-06-S	1		Breather Valve Cover Kit (Inc. #2)
2	KH-24-153-30-S	1	/P	Valve Cover O-Ring
3	KH-M-651030-S	1		Flange Screw, M6 x 1.0 x 30
4	KH-12-755-03	1	/P	Retainer Kit
5	KH-25-173-28-S	1		Valve Spring Cap
6	KH-24-089-02	1	/P	Valve Spring
7	KH-235011-S	1	/P	Spring Retainer
8	KH-66-032-05-S	1	/P	Valve Stem Seal
9	KH-24-016-01	1	/P	Exhaust Valve (STD)
10	KH-24-017-01	1	/P	Intake Valve (STD)
11	KH-32-326-06-S	1		Breather Hose Kit (Inc. #12)
12	KH-25-237-14-S	1	/P	Hose Clamp, 1.2
13	KH-32-081-02-S	1		Housing Breather Kit (Inc. #14 & 15)
14	KH-M-547050-S	1		Lock Nut, M5 x 8
15	KH-32-468-01-S	1		Sealing Washer
16	KH-32-072-03-S	1		Breather Cover Stud
17	KH-32-019-02-S	1	/P	Tappet
18	KH-32-841-01-S	1		Cylinder Head Gasket Kit
19	KH-62-086-08-S	1	/P	Flange Screw, M10 x 1.5 x 90
20	KH-24-755-141-S	1	/P	Valve Cover Kit (Plain) (Inc. KH-24-153-30-S & KH-M-651030-S)
21	KH-M-645016-S	1	/P	Flange Screw, M6 x 1.0 x 16
22	KH-32-096-04-S	1		Breather Cover
23	KH-32-050-01-S	1		Breather Filter
24	KH-32-318-13-S	1	/P	Cylinder Head Assembly Kit, #1 (Inc. Exhaust Mounting Hardware)
25	KH-32-318-14-S	1	/P	Cylinder Head Assembly Kit, #2 (Inc. Exhaust Mounting Hardware)
26	KH-32-146-09-S	1		Guide Plate
27	KH-32-072-04-S	1		Rocker Stud
28	KH-32-186-03-S	1		Rocker Arm
29	KH-32-100-05-S	1		Hex Nut Assembly (Inc. #30)
30	KH-25-086-168-S	1	/P	Set Screw
31	KH-25-599-01-S	1		Rocker Arm Pivot
32	KH-32-411-04-S	1	/P	Push Rod
33	KH-32-326-07-S	1	/P	Fuel Pump Hose Kit (Inc. #34)
34	KH-25-237-01-S	1		Hose Clamp
35	KH-25-445-01-S	1	/P	Lifting Strap
	KH-24-041-49-S	1	/P	Exhaust Gasket Not shown
	KH-24-153-27-S	1	/P	Intake Port O-Ring Not shown
	KH-32-755-03-S	1		Cylinder Head Hardware Kit Not shown

Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Ignition & Electrical

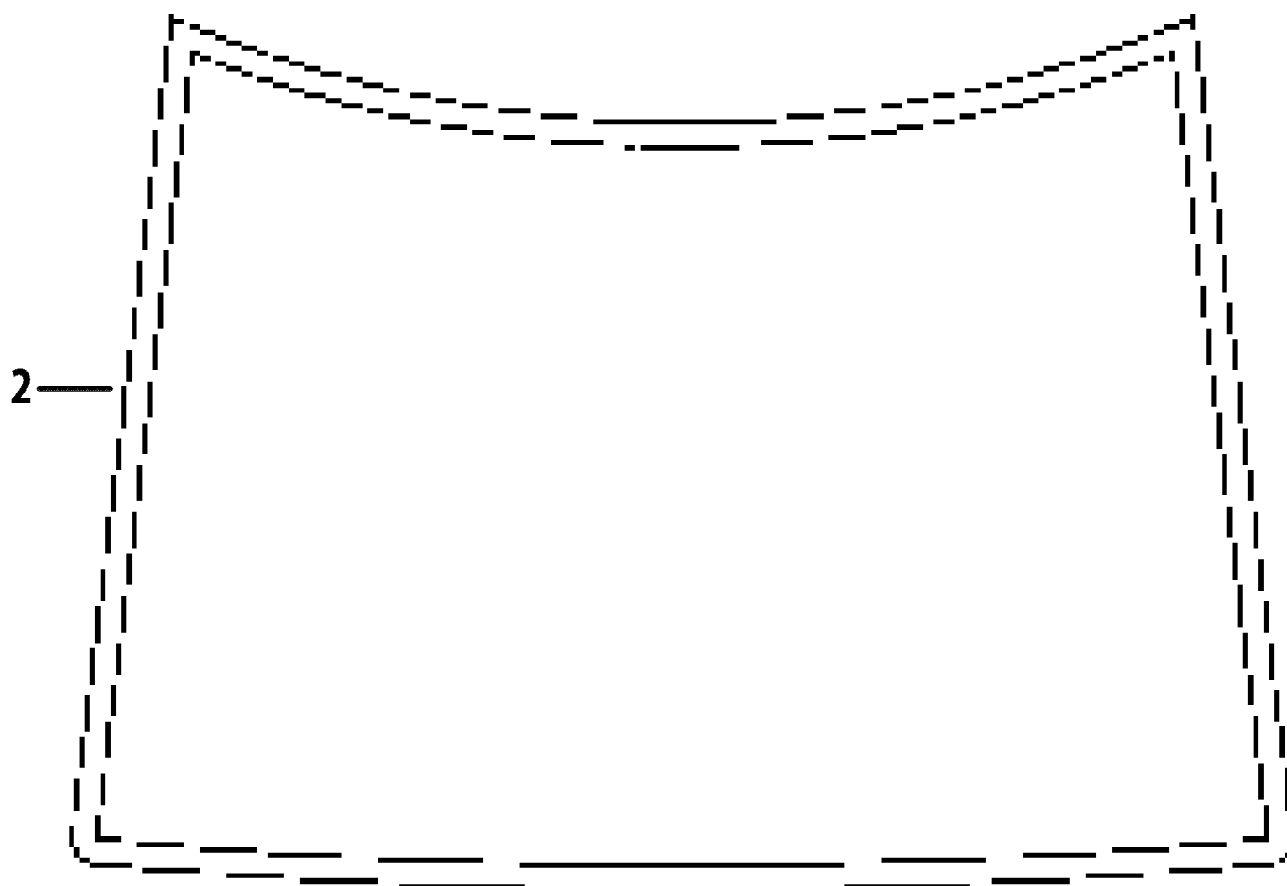
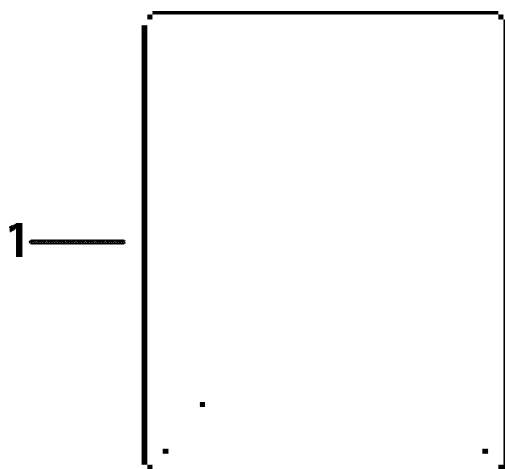
Page 32 of 51



Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Ignition & Electrical

Page 33 of 51

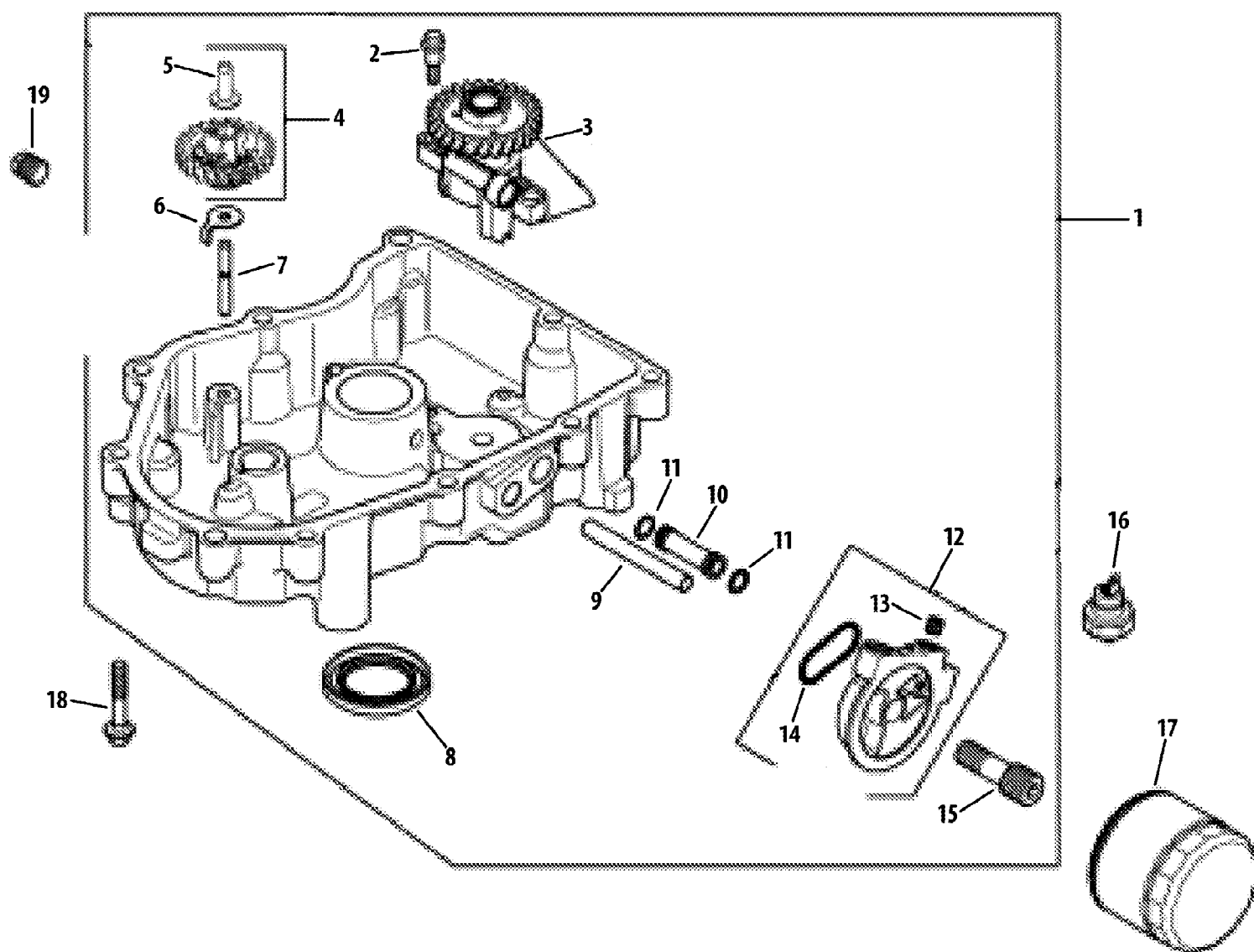
Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-162-03-S	1		Grass Screen
2	KH-12-086-14	1		Flange Screw, M10 X 1.5 X 45
3	KH-12-468-03	1	/P	Flat Washer, 13.32
4	KH-20-146-05-S	1	/P	Fan Mounting Plate
5	KH-32-157-01-S	1		15 Amp Stator Kit (Inc. KH-25-452-01-S)
6	KH-32-025-16-S	1	/P	Flywheel Assembly
7	KH-X-42-15	1	/P	Key, 3.16 X 5.8
8	KH-25-155-41-S	1	/P	Connector
9	KH-237878	1	/P	15 Amp Stator Kit
10	KH-M-548025-S	1	/P	Screw, M5 X 0.8 X 25
11	759-3336	1	/P	Spark Plug
12	KH-24-584-45-S	1	/P	Module Ignition Kit
13	KH-M-545020-S	1		Screw, M5 X .8 X 20
	KH-25-454-03-S	1		Wire Tie Not shown
	KH-32-176-24-S	1		Wiring Harness Not shown
	KH-25-452-01-S	1		Terminal Not shown



Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Labels

Page 35 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-25-113-39-S	1		Clear Laminate Decal
2	KH-32-113-46-S	1		Decal, 22 HP



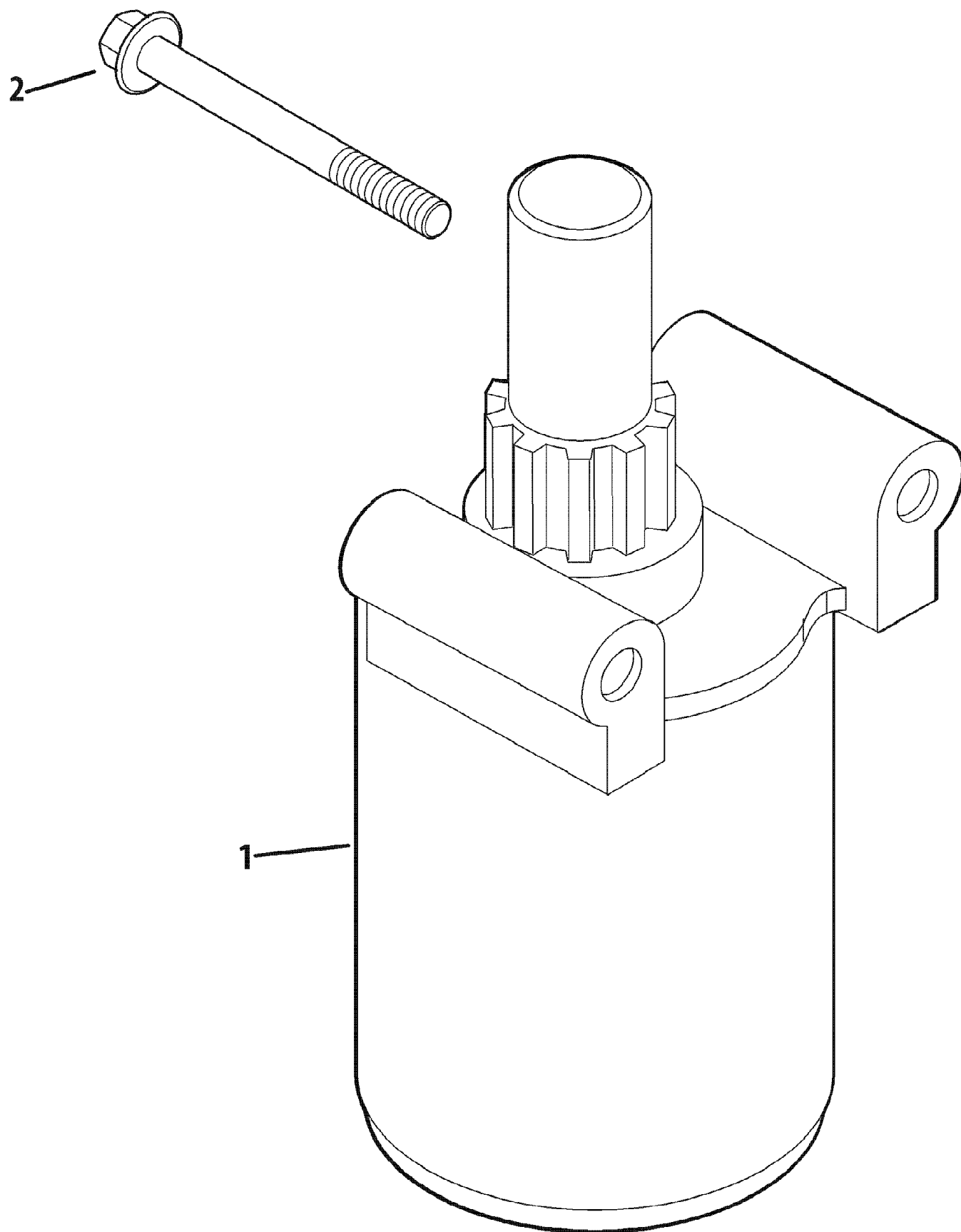
Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Oil Pan & Lubrication

Page 37 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-199-14-S	1	/P	Oil Pan Assembly
2	KH-32-086-01-S	1		Screw
3	KH-32-393-10-S	1	/P	Oil Pump Assembly
4	KH-24-043-12	1	/P	Governor Gear Kit w/ Pin
5	KH-12-380-01	1	/P	Governor Regulating Pin
6	KH-24-448-02-S	1		Locking Tab
7	KH-12-144-02	1		Governor Gear Shaft
8	KH-25-032-06-S	1	/P	Oil Seal, 2.38 x 1.45
9	KH-32-123-01-S	1		Oil Feed Tube (Filter to Oil Pan)
10	KH-32-123-03-S	1		Oil Feed Tube (Oil Pan to Filter)
11	KH-24-153-01	1	/P	Oil Pick-Up O-Ring
12	KH-32-029-16-S	1	/P	Adapter Oil Filter Kit
13	KH-25-139-60-S	1	/P	Pipe Plug, 1.8
14	KH-32-153-04-S	1		Oil Filter Adapter O-Ring
15	KH-32-136-03-S	1		Oil Filter Nipple
16	KH-25-099-27-S	1	/P	Oil Pressure Switch
17	KH-12-050-01-S	1	/P	Oil Filter
18	KH-24-086-17-S	1	/P	Flange Screw, M8 x 1.25 x 45
19	KH-25-139-57-S	1	/P	Square Head Pipe Plug, 3.8

Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Starting System

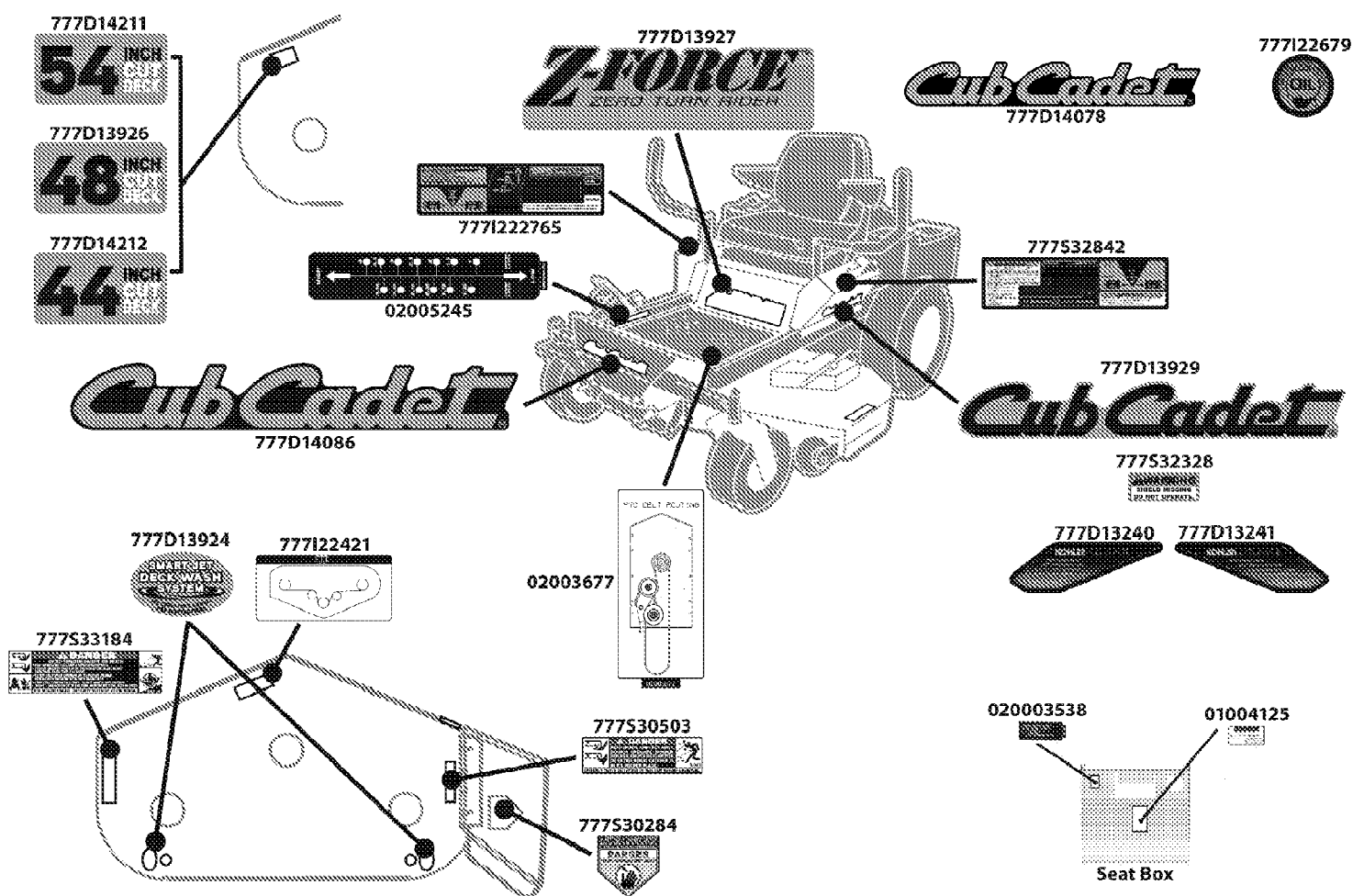
Page 38 of 51



Z-Force 48 Kohler 17BF3AGV
Kohler SV715-3025 Starting System

Page 39 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-098-03-S	1	/P	Starter Assembly
2	KH-M-851080-S	1	/P	Flg. Screw, M8 x 1.25 x 80



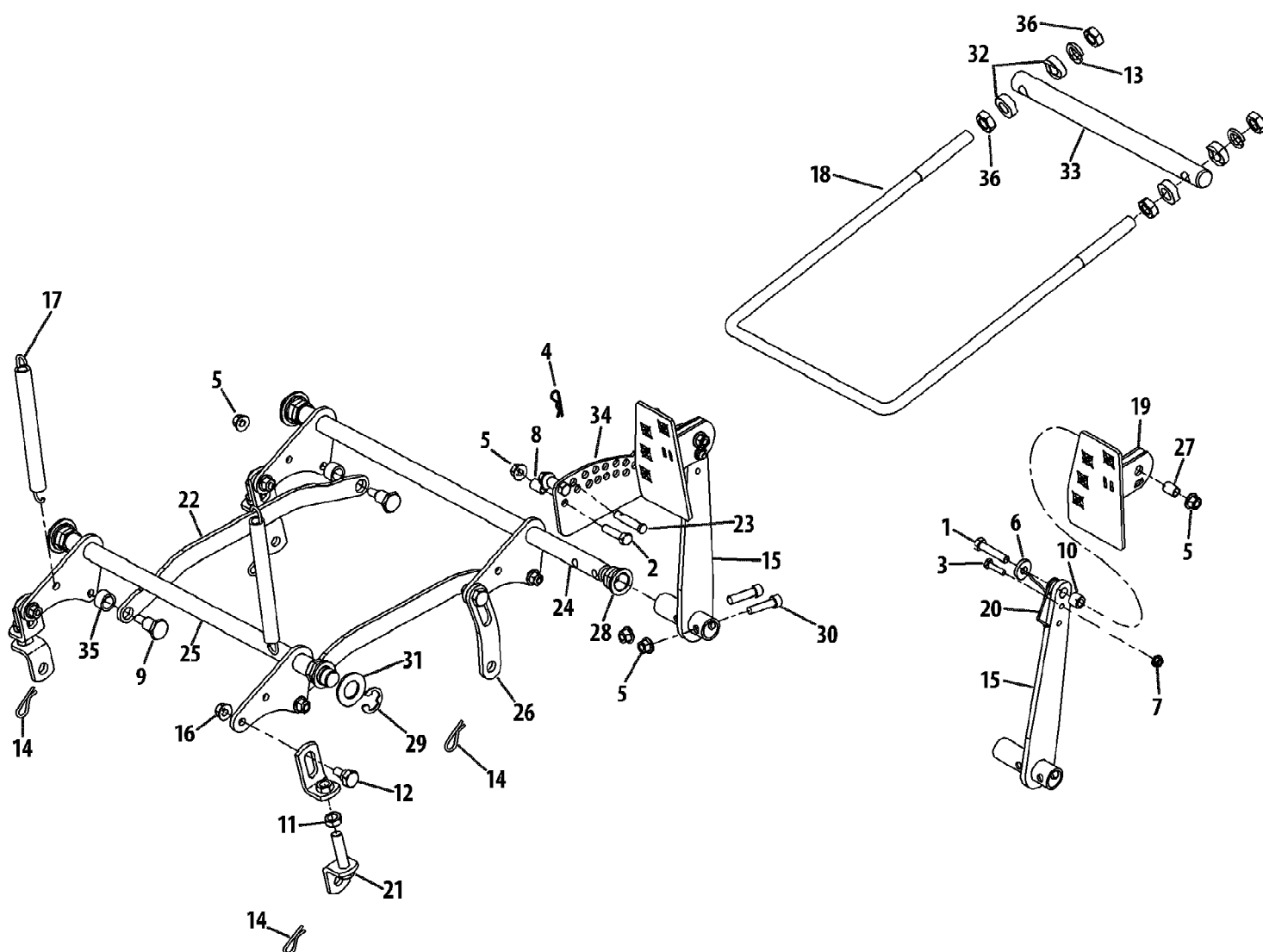
Z-Force 48 Kohler 17BF3AGV
Label Map

Page 41 of 51

Ref #	Part Number	Qty	S/P/F	Description
777D14211	777D14211	1		LABEL-54 INCH CUT
777D13926	777D13926	1		LABEL-48 INCH CUT
777D14212	777D14212	1		LABEL-44 INCH CUT
777D13927	777D13927	1		LABEL-Z FORCE SEAT BOX
777I222765	777I222765	1		LABEL-CONTROL PANEL Z FORCE
02005245	02005245	1		LABEL-DECK HEIGHT ADJ
777D14086	777D14086	1		LABEL-CUB CADET FRNT FRAME
777S33184	777S33184	1		LABEL-DECK SAFETY
777D13924	777D13924	1		LABEL-DECK WASH SYSTEM
777I22421	777I22421	1		DECAL-44' DECK BEL
02003677	02003677	1		LABEL-DECK BELT ROUTE
777S30503	777S30503	1	/P	LABEL-DANGER CHUTE
777S30284	977S30145	1	/P	LABEL
020003538	02003538	1		LABEL-PATENT
01004125	01004125	1		LABEL-CLEAR OVERLAYMENT
777D13241	777D13241	1		LABEL-KOHLER ENG LH CUB CADET
777D13240	777D13240	1		LABEL-KOHLER ENG RH CUB CADET
777S32328	777S32328	1	/P	DECAL-WARNING 50' DECK Z-FORCE
777D13929	777D13929	1		LABEL-CUB CADET CONSOLE
777S32842	777S32842	1		LABEL-SAFETY Z FORCE
777I22679	777I22679	1		LABEL-CHECK ENG OIL
777D14078	777D14078	1		LABEL-CUB CADET BUMPER

Z-Force 48 Kohler 17BF3AGV
Lift Assembly

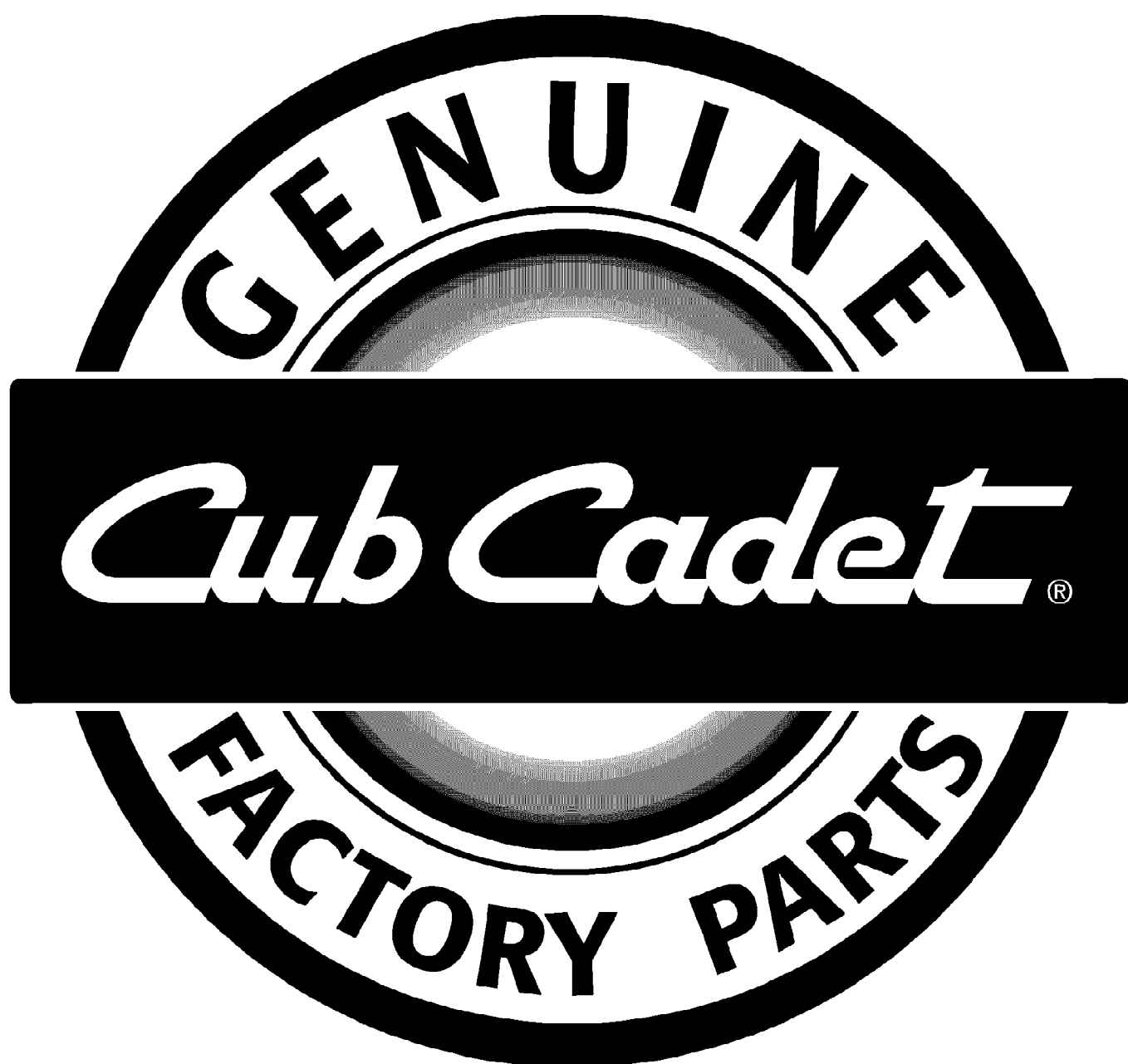
Page 42 of 51



Z-Force 48 Kohler 17BF3AGV
Lift Assembly

Page 43 of 51

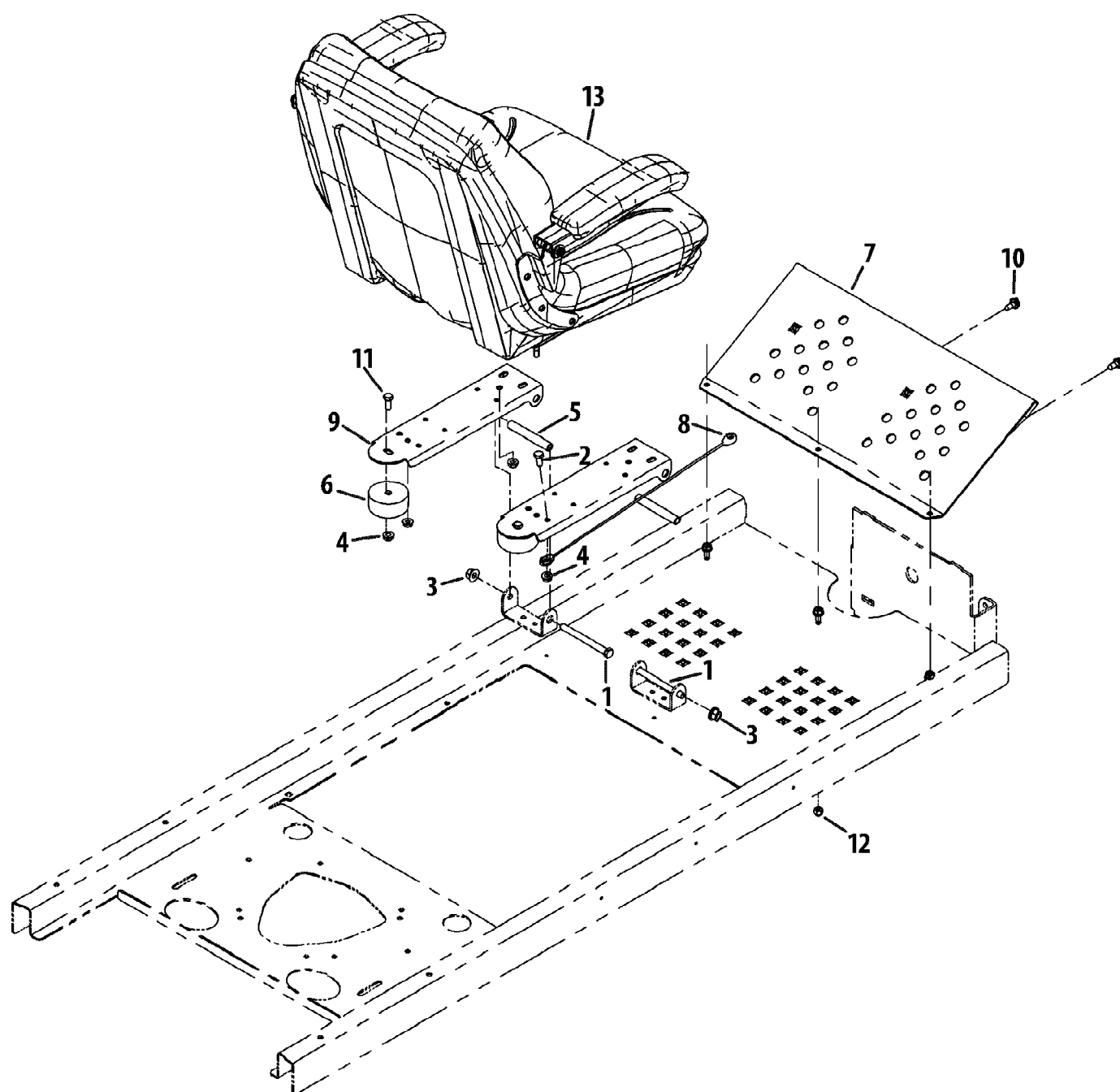
Ref #	Part Number	Qty	S/P/F	Description
1	00008495	1		Hex Screw, 3.8-16 x 1.75
2	00011438	1		Hex Screw, 3.8-16 x 1.50
3	00013416	1		Hex Screw, 1.4-20 x 1.00
4	00021956	1		Hair Pin, 3.8 x 1.562 x .080
5	00022560	1		Flange Counterlock Nut, 3.8-16
6	00083192	1		Washer, .390 x 1.00 x .180
7	912-3027	1	/P	Flange Toplock Nut, 1.4-20
8	01003468	1		Spacer, .375 x .500 x .750
9	01003536	1		Shoulder Bolt, 3.8-16 x .625 x .830
10	01007312	1		Spacer, .385 x .625 x .500
11	01008658	1		Jam Nut, 1.2-20
12	02000393	1		Shoulder Bolt, 3.8-16 x .56 x .27
13	02000671	1		Lock Washer, .633 x 1.07 x .161
14	02000673	1		Hair Pin, 1.2 x 1.625 x .125
15	02002374	1	/P	Foot Lift Pivot Assembly
16	02002382	1		Adjustable Deck Lift Bracket
17	02002629	1		Extension Spring, .75 x 7.89 x .14
18	02002879	1		Front Lift Rod
19	02002880-0637	1	/P	Foot Pedal Assembly
20	02002882	1		Torsion Spring, .900 x 2.3 x .09
21	02002890	1		Lower Bracket Assembly
22	02002893	1		Lift Connecting Link
23	02002907	1		Clevis Pin, 3.8 x 2.05
24	02002915	1		Front Shaft Assembly
25	02002916	1		Rear Shaft Assembly
26	02002979	1		Curved Link Plate
27	02003436	1		Spacer, .380 x .500 x .667
28	02003685	1		Hex Flange Bearing, 7.8
29	02003716	1		Retaining Clip, .675
30	02003717	1		Socket Cap Screw, 3.8-16 x 1.50
31	02003720	1		Washer, .940 x 1.75 x .110
32	02003751	1		Spacer, .635 x 1.2 x .41
33	02004227	1		Trailing Link Pivot Rod
34	02004694-0637	1	/P	Index Plate
35	02005535	1		Spacer, .632 x .877 x .548
36	912-3015	1	/P	Jam Nut, 5.8-11



Z-Force 48 Kohler 17BF3AGV
Quick Reference 48-Inch

Page 45 of 51

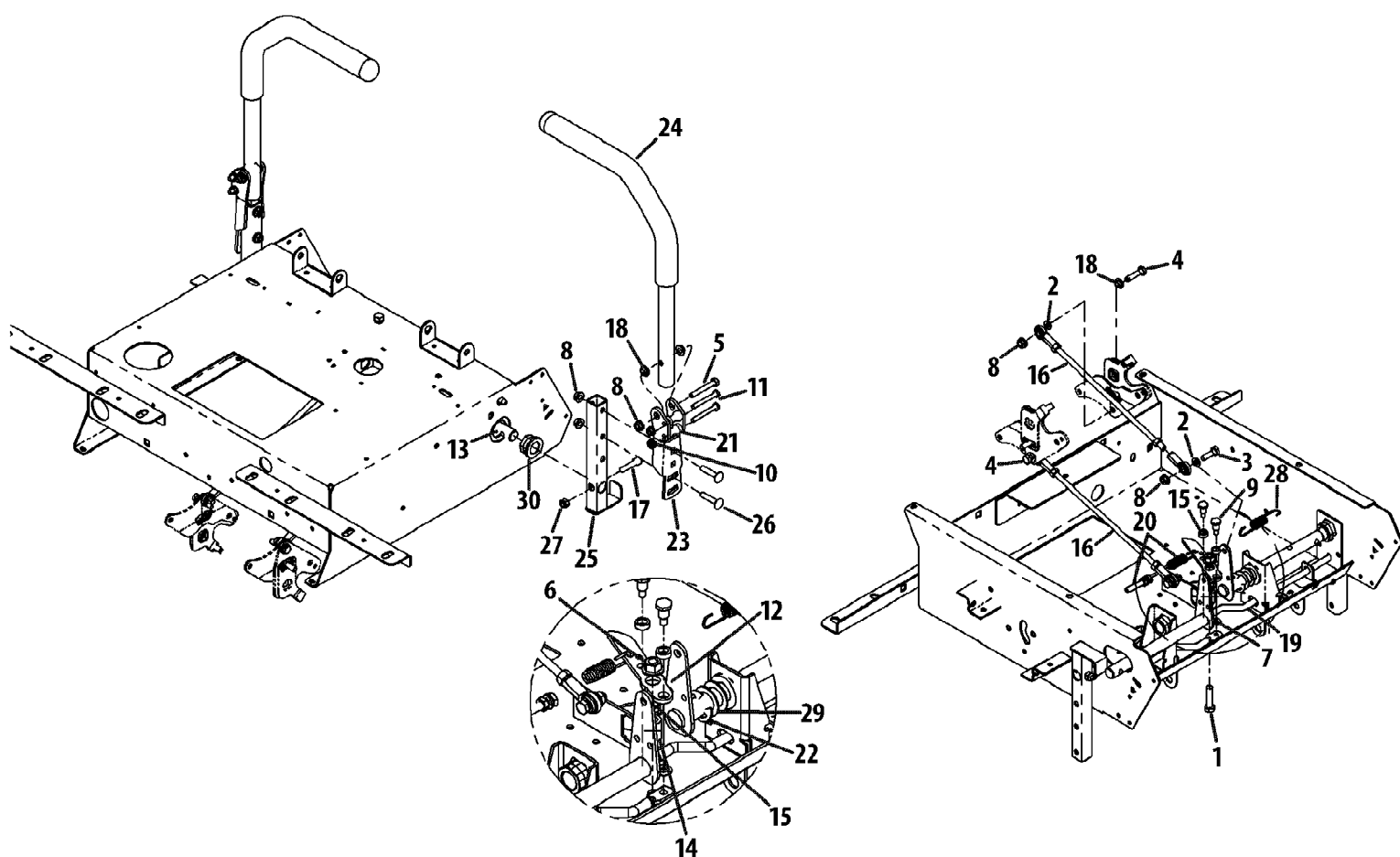
Ref #	Part Number	Qty	S/P/F	Description
	759-3336	1	/P	Spark Plug
	KH-32-883-03-S1	1	/P	Air Filter & Pre-Cleaner
	N/A	1		Pre Filter
	N/A	1		Air Filter
	KH-12-050-01-S1	1	/P	Oil Filter
	KH-25-050-22-S1	1	/P	Fuel Filter
	KH-24-584-45-S	1	/P	Ignition Module
	N/A	1		Voltage Regulator
	KH-24-393-16	1	/P	Fuel Pump
	KH-24-757-46-S	1	/P	Carb Repair Kit
	KH-24-757-45-S	1	/P	Carburetor Solenoid
	02002648	1		Drive Belt (Trans)
	01009787	1		P.T.O. Belt
	02000154	1		Deck Belt
	02005017	1	/P	Blades
	712-3078	1	/P	Blade Nut
	918-04426	1	/P	Spindle Housing Assy.
	02000071	1		Spindle Bolt (Center)
	02000819	1		Spindle Bolt (Outside)
	634-3159	1	/P	Deck Wheels
	731-3005	1	/P	Roller (Front & or Back)
	N/A	1		Roller (Back)
	921-04041	1	/P	Water Nozzle Adapter
	951-3124E	1	/P	Fuel Cap
	01003581P	1	/P	Ignition Switch Module
	925-0201	1	/P	Ignition Key
	01003277	1		Seat Switch
	02000024P	1	/P	Brake Switch
	01001717	1		Reverse Switch
	01002111	1		P.T.O. Switch
	01008434P	1	/P	P.T.O. Clutch



Z-Force 48 Kohler 17BF3AGV
Seat Assembly

Page 47 of 51

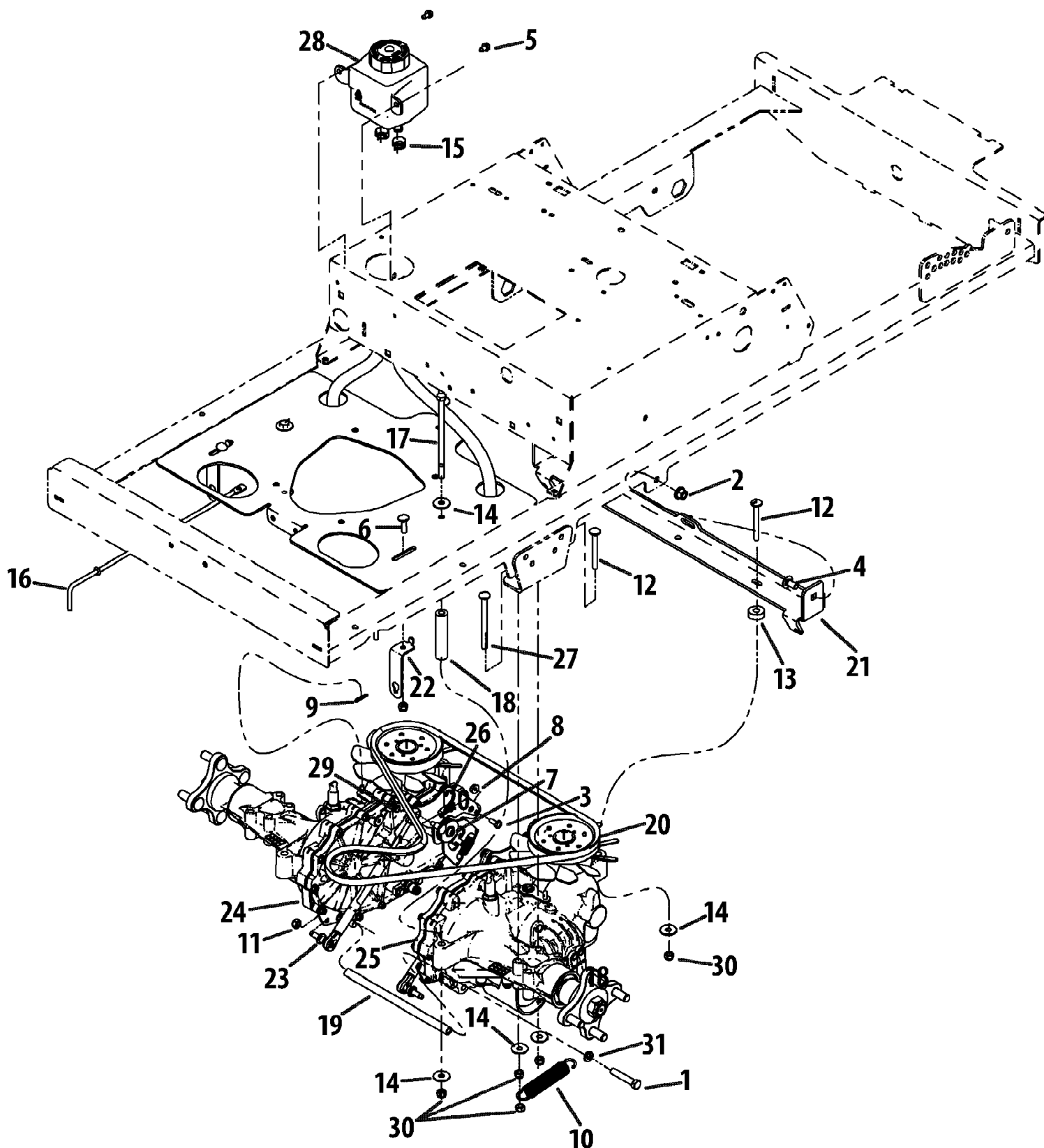
Ref #	Part Number	Qty	S/P/F	Description
1	00011925	1		Hex Cap Screw, 3/8-16 x 4.00
2	00013406	1		Hex Cap Screw, 5/16-18 x 3/4
3	00022560	1		Flange Lock Nut, 3/8-16
4	712-3004A	1	/P	Flange Lock Nut, 5/16-18
5	01009872	1		Spacer, .370 ID x .500 x 3.45
6	02002952	1		Bumper, 2.50 x 1.13
7	02002960-0637	1	/P	Foot Rest Bracket
8	02004062P	1	/P	Lift Cable
9	703-06691-0637	1	/P	Seat Mounting Bracket
10	710-04484	1		Self Tapping Screw 5/16-18 x .750
11	710-3008	1	/P	Hex Cap Screw, 5/16-18 x .75
12	912-0429	1	/P	Nylock Nut, 5/16-18
13	757-04070	1	/P	Seat
13	02002255	1		Armrest Kit not shown
13	710-3256	6	/P	Screw, Button Head 1/4-20 x .50 not shown



Z-Force 48 Kohler 17BF3AGV
Steering Assembly

Page 49 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	00011438	1		Hex Cap Screw, 3/8-16 x 1-1/2
2	00012169	1		Flat Washer, 5/16
3	00012180	1		Hex Head Cap Screw, 5/16-18 x 1.00
4	00013116	1		Hex Screw, 5/16-18 x 1-1/4
5	00013198	1		Hex Cap Screw, 5/16-18 x 2.00
6	00022560	1		Flange Lock Nut, 3/8-16
7	936-0463	1	/P	Flat Washer, 1.4 x .630 x .0515
8	712-3004A	1	/P	Lock Nut, 5/16-18
9	01001919	1		Shoulder Screw, 1/4-28
10	912-3027	1	/P	Hex Flange Lock Nut, 1/4-20
11	01006898	1		Hex Cap Screw, 1/4-20 x 2.00
12	02002684	1		Brake Lever Plate
13	02002723	1		Steering Input Shaft Assembly
14	02002844	1		Spacer, .385 x .625 x .869
15	02002885	1		Spacer, .380 x .563 x .196
16	02002992	1		Steering Link Rod
17	02002994	1		Socket Head Capscrew, 5/16-18 x 1.25
18	02003419	1		Bushing, .310 x .172 x .688 x .06
19	02003560	1		Control Lock Rod
20	02003568	1		Control Cable Lock Out
21	02003644	1		Spacer, .25 x .38 x 1.13
22	02003716	1		E-Clip Retainer Ring
23	02003853-0637	1	/P	Lapbar Pivot Bracket
24	02003855	1	/P	Lapbar Handle/Grip Assembly
25	680-00050-0637	1	/P	Pivot Bracket Weldment
26	710-0262	1	/P	Carriage Bolt, 5/16-18 x 1.50
27	912-0429	1	/P	Nylock Nut, 5/16-18
28	732-04610	1		Extension Spring, .544 x 3.35
29	936-0287	1	/P	Flat Washer, .793 x 1.24 x .060
30	941-0598	1	/P	Hex Flange Bearing, .752



Z-Force 48 Kohler 17BF3AGV
Transmission Assembly

Page 51 of 51

Ref #	Part Number	Qty	S/P/F	Description
1	00012172	1		Hex Screw, 3/8-16 x 2.00
2	00022560	1		Flange Counterlock Nut, 3/8-16
3	710-0751	1	/P	Hex Screw, 1/4-20 x .620
4	710-3178	1	/P	Carriage Bolt, 3/8-16 x .75
5	710-0599	1	/P	Hex Flange Screw, 1/4-20 x .500
6	01000641	1		Carriage Bolt, 5/16-18 x 1.00
7	01001919	1		Shoulder Bolt, 1/4-28 x .38 x .465
8	912-3027	1	/P	Flange Toplock Nut, 1/4-20
9	914-0104	1	/P	Hair Pin, 1/8 x 1.125 x .072
10	01002874	1		Extension Spring, .865 x 4.7 x .12
11	01003561	1		Nylock Nut, M8-1.25
12	01005340	1		Carriage Bolt, 5/16-18 x 2.75
13	750-3119	1	/P	Spacer, .406 x 1.00 x .38
14	01009937	1		Washer, .313 x 1.06 x .062
15	02001111	1	/P	Hose Clamp, .750
16	02001332	1		Pump Relay Rod
17	02001556	1		Hex Screw, 5/16-18 x 6.00
18	02002646	1		Spacer, .375 x .750 x 3.30
19	02002647	1		Transmission Support Tube
20	02002648	1		V-Belt
21	02002679-0637	1	/P	Transmission Bracket Weldment
22	02002965-0637	1	/P	Neutral Bracket
23	02003622	1		Damper
24	02004678P	1	/P	LH Transmission
25	02004679P	1	/P	RH Transmission
26	02004681	1		Control Arm Damper Bracket
27	02005326	1		Carriage Bolt, 5/16-18 x 4.0
28	631-04286	1	/P	Expansion Tank Assembly
29	712-04177	1	/P	Jam Nut, 1/4-28
30	912-0429	1	/P	Hex Lock Nut, 5/16-18
31	936-0169	1	/P	Lock Washer, 3/8